

Access DB# 16696

SEARCH REQUEST FORM

Scientific and Technical Information Center

129

Requester's Full Name: Frantz Coby Examiner #: 73852 Date: 09/26/05
Art Unit: 2161 Phone Number 30 24017 Serial Number: 09/865, 878
Mail Box and Bldg/Room Location: 3D19 Results Format Preferred (circle): PAPER DISK E-M

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept of utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Recurrent Billing Maintenance SystemInventors (please provide full names): Susan Phillips; Paul M. Peterson, Patri Peters; Nancy S. Ganoe; Maria S. Bailey; Lloyd G. Gato; ChairEarliest Priority Filing Date: 05/25/2000

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

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	Type of Search	Vendors and cost where applicable
Searcher: <u>Ruth Spink</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>2-3524</u>	AA Sequence (#) _____	Dialog <u>✓</u>
Searcher Location: <u>EIC 2100</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: <u>9/28/05</u>	Bibliographic _____	Dr. Link _____
Date Completed: <u>9/30/05</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>240</u>	Fulltext <u>✓</u>	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>586</u>	Other _____	Other (specify) _____



STIC Search Report

EIC 2100

STIC Database Tracking Number: 166963

TO: Frantz Coby
Location: RND 3D19
Art Unit: 2161
Friday, September 30, 2005

Case Serial Number: 09/865878

From: Ruth E. Spink
Location: EIC 2100
RND-4B31
Phone: 23524

Ruth.spink@uspto.gov

Search Notes

Franz – Attached is the inventor, foreign patent and NPL search for the above referenced case. I tagged a few that I thought might be of particular interest. Be sure to let me know if you would like for me to refocus the search.

Ruth

Set	Items	Description
S1	22	AU='PHILIPS, S' OR AU='PHILIPS, S.'
S2	1	AU='PHILIPS, SUSAN'
S3	27	AU='PHILIPS S'
S4	39	AU='PETERSEN, P. M' OR AU='PETERSEN, P. M.'
S5	79	AU='PETERSEN, P.M.'
S6	10	AU='PETERSEN, PAUL M'
S7	17	AU='PETERSEN, PAUL M.'
S8	18	AU='PETERSEN, PAUL MARX' OR AU='PETERSEN, PAUL MICHAEL'
S9	63	AU='PETERSEN P M'
S10	8	AU='PETERSEN PAUL M'
S11	2	AU='PETERSEN PAUL'
S12	5	AU='PETERSEN PAUL MICHAEL'
S13	2	AU='PETERS P K'
S14	1	AU='PETERS PATRICIA'
S15	8	AU='BAILEY M S'
S16	1	AU='BAILEY MARIA'
S17	3	AU='BAILEY, M.S.'
S18	3	AU='CATO L'
S19	12	AU='MILTON, C.' OR AU='MILTON, CHARLES'
S20	2	AU='MILTON, CHARLES RUDOLPH' OR AU='MILTON, CHARLES TODD'
S21	36	AU='MILTON C' OR AU='MILTON CHARLES'
S22	0	AU=(ZINKY, A? OR ZINKY A?)
S23	78	AU='FREEMAN, T.'
S24	188	AU='FREEMAN T'
S25	14	AU=(GRIGG, F? OR GRIGG F?)
S26	5	AU='HOLT, D. H.'
S27	2	AU='HOLT, D.H.'
S28	3	AU='HOLT, DONALD'
S29	239	AU='CRUZ, A' OR AU='CRUZ, A.'
S30	547	AU='CRUZ A'
S31	0	AU=(GANOE, N? OR GANOE N?)
S32	1435	S1:S30
S33	6	S32 AND DATABASE? ?
S34	4	S33 NOT PY>2000
S35	3	RD (unique items)
S36	0	S32 AND BILLING
File	2:INSPEC	1969-2005/Sep W3 (c) 2005 Institution of Electrical Engineers
File	6:NTIS	1964-2005/Sep W3 (c) 2005 NTIS, Intl Cpyrght All Rights Res
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File	34:SciSearch(R)	Cited Ref Sci 1990-2005/Sep W3 (c) 2005 Inst for Sci Info
File	434:SciSearch(R)	Cited Ref Sci 1974-1989/Dec (c) 1998 Inst for Sci Info
File	35:Dissertation Abs Online	1861-2005/Aug (c) 2005 ProQuest Info&Learning
File	65:Inside Conferences	1993-2005/Sep W4 (c) 2005 BLDSC all rts. reserv.
File	94:JICST-Eplus	1985-2005/Jul W5 (c)2005 Japan Science and Tech Corp(JST)
File	99:Wilson Appl. Sci & Tech Abs	1983-2005/Jul (c) 2005 The HW Wilson Co.
File	144:Pascal	1973-2005/Sep W3 (c) 2005 INIST/CNRS
File	636:Gale Group Newsletter DB(TM)	1987-2005/Sep 27 (c) 2005 The Gale Group

35/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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07970571 INSPEC Abstract Number: B2001-08-7500-004, C2001-08-7330-231

Title: Y2K Audit. A challenge for clinical engineers in Mexico

Author(s): Velazquez, A.; Pimentel, A.; Orencio, E.; **Cruz, A.** ; Luna, E.

Conference Title: Proceedings of the 22nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society (Cat. No.00CH37143) Part vol.3 p.2278 vol.3

Editor(s): Enderle, J.D.

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2000 Country of Publication: USA 4 vol. xxiii+3272 pp.

ISBN: 0 7803 6465 1 Material Identity Number: XX-2001-00102

U.S. Copyright Clearance Center Code: 0 7803 6465 1/2000/\$10.00

Conference Title: Proceedings of the 22nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society

Conference Date: 23-28 July 2000 Conference Location: Chicago, IL, USA

Language: English Document Type: Conference Paper (PA)

Treatment: General, Review (G)

Abstract: Summary form only received as follows: The Health Care System in Mexico includes the hospitals for the population that has no social security, which are 400, plus many primary clinics. In October 18th, a project to evaluate the Y2K process in those hospitals began. The contractor proposed 10 weeks using 16 biomedical engineers to get the information and render recommendations. The inventories and information analysis for the 400 hospitals required 35 biomedical engineers during 3 weeks in November 1999. They had to visit 32 different states, interview the Y2K project manager and do a specialized inventory in 183 hospitals. The rest of the hospitals, with less number of equipment, sent their inventories by fax or mail. The analysis led to a total of 3,670 medical equipment. The process of analyzing each equipment status regarding Y2K was done during December. Four full time engineers and 22 clinical engineers, who helped after 5 p.m. (weekends and weeknights), finally processed all the information. Consults with distributors or the web were done. The final **database** was of 1226 different types of equipment, which were classified into 4 priorities and sent to every state with the information of each of their hospitals, with recommended actions to take either before, in the transition or during year 2000. After this challenge, the authors know that clinical engineers in Mexico can work together for a goal and they hope for another opportunity. The project described in this abstract was supported by a grant from the Health Ministry. (0 Refs)

Subfile: B C

Descriptors: auditing; biomedical engineering; medical computing

Identifiers: clinical engineers challenge; Mexico; Health Care System; hospitals; social security; primary clinics; Y2K project manager; specialized inventory; medical equipment; clinical engineers; Health Ministry grant; year 2000 bugs; 3 w; 10 w

Class Codes: B7500 (Medical physics and biomedical engineering); C7330 (Biology and medical computing)

Numerical Indexing: time 1.8E+06 s; time 6.0E+06 s

Copyright 2001, IEE

35/5/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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06670936 INSPEC Abstract Number: C9710-7130-035

Title: The requirements and advantages of building GIS through diverse intra-company partnerships

Author(s): **Freeman, T.** ; Daniel, C.

Author Affiliation: Alabama Power Co., Birmingham, AL, USA

Conference Title: URISA Proceedings. Papers from the Annual Conference of the Urban and Regional Information Systems Association p.601-10
Publisher: Urban & Regional Inf. Syst. Assoc, Washington, DC, USA
Publication Date: 1995 Country of Publication: USA x+771 pp.
Material Identity Number: XX95-01743
Conference Title: Proceedings of 33rd Annual URISA Conference
Conference Date: 16-20 July 1995 Conference Location: San Antonio, MN, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Business needs require flexibility and responsiveness and the correct data application is essential. A geographic information system (GIS) is often the solution for meeting the unique needs of the various business units by eliminating the potential duplication of records needed by departments in widespread locations, by reducing error due to incorrect versions of maps and their related geographic attributes, by increasing the communication between users and by decreasing individual computer applications development in multiple departments which meet only very specific needs. Building a GIS through diverse intra-company partnerships will best meet the corporate goals and benefit the individual departments through sharing of technology, data and costs. (0 Refs)

Subfile: C

Descriptors: business data processing; cartography; costing; geographic information systems; visual **databases**

Identifiers: GIS; intra-company partnerships; business needs; geographic information system; record duplication; error; maps; geographic attributes; applications development; corporate goals; data sharing; costs

Class Codes: C7130 (Public administration); C7840 (Geography and cartography computing); C6160S (Spatial and pictorial databases)

Copyright 1997, IEE

35/5/3 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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2151125 NTIS Accession Number: PB2000-101736/XAB

Update: Implementation of the Micropaver Pavement Management System on TXDOT Aviation Division Airfields (Revised)

(Interim research rept. 1 Sep 98-31 Aug 99)

Freeman, T. ; Dresser, G. B.

Texas Transportation Inst., College Station.

Corp. Source Codes: 015063000

Sponsor: Texas Dept. of Transportation, Austin. Aviation Div.

Report No.: TX-99/1913-2

Apr 1999 98p

Languages: English

Journal Announcement: USGRDR0006

Also pub. as Texas Transportation Inst., College Station rept. no. REPT-1913-2. Sponsored by Texas Dept. of Transportation, Austin. Aviation Div.

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NTIS Prices: PC A06/MF A02

Country of Publication: United States

This report describes the status of MicroPAVER implementation at the airports included in the Texas Aeronautical Facilities Plan. In 1998, the research team inspected 41 airports with 56 runways, 54 primary aprons, and 62 primary taxiways. To date, 245 airports have been inspected and the resulting information entered into the MicroPAVER **database**. For this report, the aprons and taxiways were inspected, but the data was not entered. The list of airports is included in Table 1. The runways at all

245 airports have been inspected and the resulting information entered into the MicroPAVER **database** . Aprons and taxiways have been inspected at nearly 80 of these airports.

Descriptors: *Runways; *Pavement damage; *Texas; Inspection; Cracks; Pavement condition; Airports; Surveys; Computer applications

Identifiers: NTISUTATTI; NTISDOTG

Section Headings: 50B (Civil Engineering--Civil Engineering); 91B (Urban and Regional Technology and Development--Transportation and Traffic Planning); 43G (Problem Solving Information for State and Local Governments--Transportation); 85A (Transportation--Air Transportation)

?

Set	Items	Description
S1	2851354	APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? OR COMBINING
S2	389346	INSTRUCTION? ? OR COMMAND? ?
S3	446934	ACCOUNT? ? OR RECORD? ?
S4	694508	TRANSACTION? ? OR ORDER? ?
S5	130431	CUSTOMER? ? OR CLIENT? ? OR BUYER? ?
S6	5925	S1 (3N) S2
S7	4368	S4 (3N) S3
S8	3232	S5 (3N) S3
S9	0	S6 (5N) (S7 OR S8)
S10	153	S1 (5N) (S7 OR S8)
S11	5189857	SERVER? ? OR PROCESS OR PROCESSES OR SYSTEM? ?
S12	123	S10 AND S11
S13	36	S10 (5N) S11
S14	36	IDPAT (sorted in duplicate/non-duplicate order)
S15	36	IDPAT (primary/non-duplicate records only)
S16	19	S6 (3N) S3
S17	28	S6 (5N) S3
S18	28	S17 NOT S15
S19	28	IDPAT (sorted in duplicate/non-duplicate order)
S20	28	IDPAT (primary/non-duplicate records only)

File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)
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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200561
(c) 2005 Thomson Derwent

15/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

Wrong
date

016754757 **Image available**

WPI Acc No: 2005-079035/200509

Related WPI Acc No: 2001-335420; 2001-596862; 2001-611049; 2002-049593;

2002-113963; 2003-149219; 2003-802205; 2004-131897; 2004-449593;
2004-570114; 2004-831963; 2005-019822; 2005-019823; 2005-029228;
2005-029359; 2005-029590; 2005-029591; 2005-037116; 2005-037117;
2005-037118; 2005-037178; 2005-037179; 2005-037615; 2005-037616;
2005-037617; 2005-037909; 2005-056148; 2005-063282; 2005-063894;
2005-064182; 2005-078280; 2005-078761; 2005-078792; 2005-090103;
2005-090133; 2005-194839; 2005-201472; 2005-201872; 2005-210895;
2005-210902; 2005-210903; 2005-210904; 2005-221026; 2005-231149;
2005-231150; 2005-231151; 2005-272056; 2005-303828; 2005-520463;
2005-541003; 2005-553303; 2005-570063; 2005-570564; 2005-570565;
2005-570566; 2005-570567; 2005-570568

XRFX Acc No: N05-069416

Payment system, has merchant system receiving account identifier portion and providing related account identifier, where merchant system provides identifier to account identifier provider server for transaction completion

Patent Assignee: AMERICAN EXPRESS TRAVEL RELATED SERVICES (AMEX-N)

Inventor: BERARDI M J; BLIMAN M; BONALLE D S; SAUNDERS P D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040260646	A1	20041223	US 2001304216	P	20010710	200509 B
			US 2002192488	A	20020709	
			US 2004810473	A	20040830	

Priority Applications (No Type Date): US 2001304216 P 20010710; US 2002192488 A 20020709; US 2004810473 A 20040830

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040260646	A1		24	G06F-007/08	Provisional application US 2001304216

CIP of application US 2002192488

Abstract (Basic): US 20040260646 A1

NOVELTY - The system has a merchant system (130) communicating with a transaction device e.g. fob (102), to receive proxy account identifier with an account identifier portion. The identifier is **linked** with a **transaction account**. The merchant **system** receives the portion and provides related identifier, where the merchant system provides the identifier to an account identifier provider server for transaction completion.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method of transmitting data for transaction completion.

USE - Payment system.

ADVANTAGE - The system eliminates the cost associated with involving a third-party server to translate the account fob data into a merchant recognizable format e.g. magnetic stripe.

DESCRIPTION OF DRAWING(S) - The drawing shows a RFID-based system, where components used for fob transaction completion are depicted.

Fob (102)

RFID reader (104)

POS device (110)

Customer interface (118)

Merchant system (130)

pp; 24 DwgNo 1/13

Title Terms: PAY; SYSTEM; MERCHANT; SYSTEM; RECEIVE; ACCOUNT; IDENTIFY; PORTION; RELATED; ACCOUNT; IDENTIFY; MERCHANT; SYSTEM; IDENTIFY; ACCOUNT;

15/5/2 (Item 2 from file: 350)
DIALOG(R) File 350: Derwent WPIX
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Wrong
date

016753365 **Image available**

WPI Acc No: 2005-077643/200509

Security system of electronic bankbook and method thereof

Patent Assignee: SMARTGATE CO LTD (SMAR-N)

Inventor: KUEM D J; KEUM D J

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2004079204	A	20040914	KR 200314153	A	20030306	200509	B
KR 468154	B	20050127	KR 200314153	A	20030306	200535	

Priority Applications (No Type Date): KR 200314153 A 20030306

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2004079204	A	1	G06F-017/60	
KR 468154	B		G06F-017/60	Previous Publ. patent KR 2004079204

Abstract (Basic): KR 2004079204 A

NOVELTY - A security system of an electronic bankbook and a method thereof are provided to prevent the data forgery of a banking transaction system using the electronic bankbook and easily discriminate the illegally copied electronic bankbook.

DETAILED DESCRIPTION - A bank server(20) transmits/receives data with a terminal(40) through the network(50). A ledger database(22) stores an MAC(Message Authentication Code) generated for each banking transaction by linking with transaction record data. An MAC generator(24) generates the MAC by using the transaction record data generated for each banking transaction and an MAC generation password assigned to each account as an operation factor under control of the bank server. A card recorder(42) reads or writes the data to the electronic bankbook(30). The terminal makes the card recorder transmit the data read by the card recorder to the bank server through the network, and stores the MAC received from the bank server to the account information by linking with the transaction record data. The electronic bankbook stores the transaction record data, the MAC, and the account information.

pp; 1 DwgNo 1/10

Title Terms: SECURE; SYSTEM; ELECTRONIC; METHOD

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

15/5/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016741716 **Image available**
WPI Acc No: 2005-066013/200507
XRPX Acc No: N05-057208

Transaction processing method e.g. for internet shopping, involves establishing direct communication link between account server and customer terminal for customer verification and payment processing

Patent Assignee: ZINGTECH LTD (ZING-N)
Inventor: COPPINGER P; KIDD M; KIDD S R; MACKEY D; OBRIEN J; OLEARY E; TUCKER D

Number of Countries: 108 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 2004109610	A1	20041216	WO 2004IE80	A	20040604	200507 B

Priority Applications (No Type Date): US 2004559960 P 20040407; US 2003475496 P 20030604

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 2004109610	A1	E	24	G07F-019/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

Abstract (Basic): WO 2004109610 A1

NOVELTY - An instruction is transmitted from the merchant server (M) to an account server (AS) upon receipt of a transaction request confirmation (1). A direct communication link is established between the customer terminal (C) and account server for customer verification and payment processing. The security data is transmitted from the customer terminal to the account server for customer recognition and verification.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) a security device;
- (2) an account server; and
- (3) a merchant server.

USE - For purchase transaction processing e.g. for internet shopping, and also shopping at retailer's premises using computer, personal digital assistant (PDA), mobile phone, etc.

ADVANTAGE - Provides comprehensive security for customer data. Helps to prevent fraud on merchants and allows convenient shopping by the customer.

DESCRIPTION OF DRAWING(S) - The figure shows the signals for completion of the transaction processing method.

transaction request confirmation (1)
account server (AS)
customer terminal (C)
merchant server (M)
pp; 24 DwgNo 1/5

Title Terms: TRANSACTION; PROCESS; METHOD; SHOPPING; ESTABLISH; DIRECT; COMMUNICATE; LINK; ACCOUNT; SERVE; CUSTOMER; TERMINAL; CUSTOMER; VERIFICATION; PAY; PROCESS

Derwent Class: T01; T05

International Patent Class (Main): G07F-019/00

File Segment: EPI

15/5/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016584980 **Image available**
WPI Acc No: 2004-743715/200473

Method for offering cyber division accounts and processing settlement

Patent Assignee: BIZMODEL CO LTD (BIZM-N)
Inventor: HONG J C; KIM J H; YOON J M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2004055753	A	20040626	KR 200435991	A	20040520	200473 B

Priority Applications (No Type Date): KR 200435991 A 20040520

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2004055753	A		1 G06F-017/60	

Abstract (Basic): KR 2004055753 A

NOVELTY - A method for offering cyber division accounts and processing settlement is provided to make the slave clients having no cyber bank account get/use the cyber division account on the Internet by making a master client receive a plurality of cyber division account through the bank account of the master client.

DETAILED DESCRIPTION - A bank server receives the bank account information and the slave client information from the master client(805). The bank server provides the cyber division account to the master client(820). The bank server generates the cyber division account information of each slave client by linking the slave client information with the issued cyber division account information. The bank **server** stores the cyber division **account** of each slave **client** in a database by **linking** with the bank account information of the master client(845). When the slave client uses the cyber division account, the slave client offers the cyber division account information to an Internet web site. The web site transmits the cyber division account to the bank server. The bank server processes the settlement through the bank account of the master client.

pp; 1 DwgNo 1/10

Title Terms: METHOD; OFFER; DIVIDE; ACCOUNT; PROCESS; SETTLE

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/60

File Segment: EPI

15/5/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016402950 **Image available**

WPI Acc No: 2004-560861/200454

Related WPI Acc No: 2003-333355; 2003-656065; 2003-832906; 2004-516221;
2004-614444; 2004-727592; 2005-251797; 2005-402910

XRPX Acc No: N04-443780

Stored-value card e.g. phone card, request processing method, involves receiving request to activate card and redemption request from merchant terminal and customer, respectively by central processor

Patent Assignee: E2INTERACTIVE INC (ETWO-N)

Inventor: SMITH M B; GRAVES P C

Number of Countries: 037 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040133511	A1	20040708	US 2002253243	A	20020924	200454 B
			US 2003411971	A	20030411	
			US 2003655828	A	20030905	
			US 2003698084	A	20031103	
			US 2003712182	A	20031113	
			US 2003519629	P	20031114	
			US 2003519630	P	20031114	
			US 2003739301	A	20031219	
EP 1531416	A1	20050518	EP 2004256998	A	20041111	200533
CA 2487196	A1	20050513	CA 2487196	A	20041105	200537
CA 2487197	A1	20050514	CA 2487197	A	20041105	200537
GB 2408373	A	20050525	GB 200424978	A	20041111	200539

Priority Applications (No Type Date): US 2003739301 A 20031219; US 2002253243 A 20020924; US 2003411971 A 20030411; US 2003655828 A 20030905; US 2003698084 A 20031103; US 2003712182 A 20031113; US 2003519629 P 20031114; US 2003519630 P 20031114

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040133511	A1		28	G06F-017/60	CIP of application US 2002253243 CIP of application US 2003411971 CIP of application US 2003655828 CIP of application US 2003698084 CIP of application US 2003712182 Provisional application US 2003519629 Provisional application US 2003519630

EP 1531416 A1 E G06F-017/60
Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

CA 2487196 A1 E G06F-017/60
CA 2487197 A1 E G06F-017/60
GB 2408373 A G07F-007/08

Abstract (Basic): US 20040133511 A1

NOVELTY - The method involves distributing a stored value card to a merchant for distribution to a customer having an account with a specific provider. A request is received to activate the card from a merchant terminal. A processor receives a redemption request from the customer. The provider and account number is identified and a request to apply the associated stored value is passed from the central processor to the provider.

DETAILED DESCRIPTION - The stored-value card has an associated identifier that can be used to associate a stored value with the card, the associated stored value being redeemable with one or more providers, including the specific provider, the account having an associated account number.

An INDEPENDENT CLAIM is also included for **system for adding**

stored value to a **customer account** .

USE - Used for processing a stored-value card e.g. prepaid long distance phone card, request in wireless telecommunication service provider.

ADVANTAGE - The method provides single payment card, thereby enabling a customer to iteratively add value to stored-value account. The method streamlines the process of activating a PIN because customer is not transferred from the central processor to a third party provider's system. The central processor can manage stored-value card activations for many customers with many different service providers, hence offers promotions and monitor consumer behaviors across a large and diverse market segment. The card has rechargeable card feature, and hence enables customers to use a single card and PIN for adding value at a merchant terminal rather than purchasing and activating new cards.

DESCRIPTION OF DRAWING(S) - The drawing shows a flowchart showing a method for supplying communication service value.

pp; 28 DwgNo 1/10

Title Terms: STORAGE; VALUE; CARD; TELEPHONE; CARD; REQUEST; PROCESS; METHOD; RECEIVE; REQUEST; ACTIVATE; CARE; REQUEST; MERCHANT; TERMINAL; CUSTOMER; RESPECTIVE; CENTRAL; PROCESSOR

Derwent Class: T01; T05; W01

International Patent Class (Main): G06F-017/60; G07F-007/08

International Patent Class (Additional): G06K-019/06; G07F-007/02;

G07F-019/00

File Segment: EPI

15/5/10 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016126076

WPI Acc No: 2004-283952/200427

XRPX Acc No: N04-225136

Personal account money-adding system by sound mode and control flow chart

Patent Assignee: TENGXUN SCI & TECH SHENZHEN CO LTD (TENG-N)

Inventor: QIU Y; WANG C; XIONG P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1471297	A	20040128	CN 2003126841	A	20030613	200427 B

Priority Applications (No Type Date): CN 2003126841 A 20030613

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CN 1471297	A		H04M-017/00	

Abstract (Basic): CN 1471297 A

NOVELTY - The system comprises the sound information service system, network account management system and personal account server. The sound information service system comprises the sound device and transaction server. The sound information service system sends transaction signal including the transaction unit to the network account management **system**. Based on the **transaction** signal, the network **account** management **system** **adds** the value to personal account in personal account server. The characters are that network account management system comprises the adding value server and the checking and verifying control server, which creates random character string. The transaction log is stored in transaction server and adding value server. Random character string is included in a log of each transaction unit. Random character string is as verification symbol of valid transaction. The invention provides fast and convenient network means of payment with high safety.

DwgNo 0/0

Title Terms: PERSON; ACCOUNT; MONEY; ADD; SYSTEM; SOUND; MODE; CONTROL; FLOW; CHART

Derwent Class: T01; T05

International Patent Class (Main): H04M-017/00

International Patent Class (Additional): H04L-012/14; H04L-012/24

File Segment: EPI

15/5/12 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

015826862 **Image available**
WPI Acc No: 2003-889065/200382
XRPX Acc No: N03-710214

**Real estate purchasing and managing system unifies housing information
and notification information of customers and provides details related to
real estate to customer, based on customer information**

Patent Assignee: SOGO JISHO KK (SOGO-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2003323482	A	20031114	JP 2002130169	A	20020501	200382 B

Priority Applications (No Type Date): JP 2002130169 A 20020501

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2003323482	A		11 G06F-017/60	

Abstract (Basic): JP 2003323482 A

NOVELTY - The system (10) has a CD-ROM (26) to store information for connecting customer's system (12) to sales trader's system (14), real estate sales information and **link** information. The trader's **system records** the **customer** information, when customer in connection with the trader's system, is identified. The housing and notification information of the customers are unified, and details about real estate are provided to a customer.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for computer readable recorded medium storing real estate purchasing and managing program.

USE - Real estate purchasing and managing system.

ADVANTAGE - The real estate is purchased according to the own taste by reliable communication of the sales traders with the customers, thereby the customer's purchasing volition is increased.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the real estate purchasing and managing system. (Drawing includes non-English language text).

real estate purchasing and managing system (10)
customer's computer system (12)
sales trader's computer system (14)
Internet (16)
CD- ROM (26)
customer information database (40)
housing information database (42)
notification information database (44)
pp; 11 DwgNo 1/5

Title Terms: REAL; ESTATE; PURCHASE; MANAGE; SYSTEM; UNIFIED; HOUSING;
INFORMATION; NOTIFICATION; INFORMATION; CUSTOMER; DETAIL; RELATED; REAL;
ESTATE; CUSTOMER; BASED; CUSTOMER; INFORMATION

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

Wrong
date

15/5/13 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

015713162 **Image available**
WPI Acc No: 2003-775362/200373

System for financial transaction service using electronic money

Patent Assignee: SK TELECOM CO LTD (SKTE-N)
Inventor: KIM J G; LIM D P; PARK J B
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2003052527	A	20030627	KR 200182518	A	20011221	200373 B

Priority Applications (No Type Date): KR 200182518 A 20011221

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2003052527	A		1 G06F-017/60	

Abstract (Basic): KR 2003052527 A

NOVELTY - A system for a financial transaction service using electronic money is provided to set a virtual **account** to a **client** who **joins** to a P2P **system** and charge electronic money to the virtual account.

DETAILED DESCRIPTION - An account creation unit(212) creates a virtual account corresponded to a wireless terminal identifier of the client(100) connected through a wire/wireless network(150). A user DB stores the wireless terminal identifier, virtual account information, an actual account set in a bank server(300), and electronic money charged in the virtual account. An account managing unit(214) creates transfer information, transmits the created transfer information to the bank server(300) having a client actual account(300/1-300/n), and instructs an account transfer between the actual account and a pre-set account. When the bank server(300) executes an account transfer between the actual account and a pre-set account in accordance with the transfer information, the account managing unit(214) adds or subtracts electronic money stored in the user DB, and charges or exchanges electronic money information.

pp; 1 DwgNo 1/10

Title Terms: SYSTEM; FINANCIAL; TRANSACTION; SERVICE; ELECTRONIC; MONEY

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/60

File Segment: EPI

Wrong
date

15/5/17 (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

015325249 **Image available**
WPI Acc No: 2003-386184/200337
XRPX Acc No: N03-308600

Payment collation support system for use with banking system, has
processing unit which adds payment of customer to customer's
account if payment schedule and payment notification are in agreement
Patent Assignee: NOMURA SHOKEN KK (NOMU-N); NOMURA SOGO KENKYUSHO KK
(NOMU-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2003099622	A	20030404	JP 2001287973	A	20010921	200337 B

Priority Applications (No Type Date): JP 2001287973 A 20010921

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2003099622	A		7 G06F-017/60	

Abstract (Basic): JP 2003099622 A

NOVELTY - A collation unit compares a payment schedule information and a payment notification based on estimation information stored in a memory (22). A data processing unit (10) adds the payment of a customer to a to the customer's account if the payment schedule information and payment notification are in agreement.

USE - For use with banking system through which customer payments are made to e.g. securities firm.

ADVANTAGE - Enables easy and accurate specification of customer's account.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of payment collation support system. (Drawing includes non-English language text).

Data processing unit (10)

Memory (22)

pp; 7 DwgNo 1/4

Title Terms: PAY; COLLATE; SUPPORT; SYSTEM; BANK; SYSTEM; PROCESS; UNIT;
ADD; PAY; CUSTOMER; CUSTOMER; ACCOUNT; PAY; SCHEDULE; PAY; NOTIFICATION;
AGREE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

Wrong
date

15/5/20 (Item 20 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

Wrong
date

014956181 **Image available**
WPI Acc No: 2003-016695/200301
XRPX Acc No: N03-012609

Financial account information management system for financial institution, has account file and transaction file linked to party file

Patent Assignee: MORGAN STANLEY DEAN WITTER & CO (MORG-N); MORGAN STANLEY (MORG-N); CASPER R (CASP-I); MCMILLAN J (MCM-I)

Inventor: CASPER R; MCMILLAN J

Number of Countries: 101 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020116304	A1	20020822	US 2001785596	A	20010216	200301 B
WO 200267485	A2	20020829	WO 2002US1448	A	20020116	200301
EP 1364480	A2	20031126	EP 2002703153	A	20020116	200380
			WO 2002US1448	A	20020116	
AU 2002236789	A1	20020904	AU 2002236789	A	20020116	200427
JP 2004523836	W	20040805	JP 2002566891	A	20020116	200451
			WO 2002US1448	A	20020116	

Priority Applications (No Type Date): US 2001785596 A 20010216

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20020116304 A1 20 G06F-017/60

WO 200267485 A2 E H04L-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

EP 1364480 A2 E H04L-001/00 Based on patent WO 200267485

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

AU 2002236789 A1 G06F-017/60 Based on patent WO 200267485

JP 2004523836 W 60 G06F-017/60 Based on patent WO 200267485

Abstract (Basic): US 20020116304 A1

NOVELTY - A party file has party records containing information related to parties. An account file has account records containing a link to at least one of the party records. A transaction file has transaction records containing a link to at least one of the account records.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Method for managing transactional information;
 - (2) Method of determining risk associated with transactions stored in a system; and
 - (3) Computer implemented transaction information management method.
- USE - For management of financial account information in financial institution.

ADVANTAGE - As the party file, account file and transaction file are linked, data maintenance becomes more efficient and simple. Improves accuracy and consistency of party information stored in party file, thereby increasing reliability of data analysis such as risk analysis and profitability analysis that requires accurate and consistent information.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram for evaluating the risk associated with transactions.

pp; 20 DwgNo 11/11

Title Terms: FINANCIAL; ACCOUNT; INFORMATION; MANAGEMENT; SYSTEM; FINANCIAL
; INSTITUTION; ACCOUNT; FILE; TRANSACTION; FILE; LINK; PARTY; FILE

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/60; H04L-000/00; H04L-001/00

File Segment: EPI

15/5/22 (Item 22 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014769138 **Image available**
WPI Acc No: 2002-589842/200263
XRPX Acc No: N02-468071

Postage indicium reissue method in postage metering system, involves
combining postage and authentication information of transaction
record with indicator to create modified original postage indicium

Patent Assignee: PITNEY BOWES INC (PITB)

Inventor: RYAN F W

Number of Countries: 097 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020077990	A1	20020620	US 2000742833	A	20001220	200263 B
AU 200229053	A	20020701	AU 200229053	A	20011212	200264
WO 200250780	A2	20020627	WO 2001US48287	A	20011212	200264
EP 1417609	A2	20040512	EP 2001990189	A	20011212	200431
			WO 2001US48287	A	20011212	

Priority Applications (No Type Date): US 2000742833 A 20001220

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20020077990	A1		14	G06F-017/60	
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AU 200229053	A			G06F-017/60	Based on patent WO 200250780
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WO 200250780	A2 E			G07B-000/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

EP 1417609	A2 E			G06F-017/60	Based on patent WO 200250780
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Designated States (Regional): DE FR GB

Abstract (Basic): US 20020077990 A1

NOVELTY - Postage and authentication information of a transaction
record are combined with an indicator to create a modified postage
indicium, on receiving a request to reissue the original indicium. The
modified indicium is dispensed from a postage meter so that the
indicator in the dispensed indicium identifies that the dispensed
indicium is a reissue of the original indicium.

USE - For reissuing postage indicium such as US postage in a
PC-based postage metering system.

ADVANTAGE - Easily detects fraudulent reissue of indicium by
examining the transaction records.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic block
diagram of the DLL in the PC-based metering system.

pp; 14 DwgNo 3/10

Title Terms: POSTAGE; INDICIA; METHOD; POSTAGE; METER; SYSTEM; COMBINATION;
POSTAGE; AUTHENTICITY; INFORMATION; TRANSACTION; RECORD; INDICATE;
MODIFIED; ORIGINAL; POSTAGE; INDICIA

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/60; G07B-000/00

International Patent Class (Additional): H04K-001/00; H04L-009/00

File Segment: EPI

15/5/31 (Item 31 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011267386 **Image available**

WPI Acc No: 1997-245289/199722

XPX Acc No: N97-202286

**Integrated sales process support system for large organisation - has
central database maintaining all key data and providing access via remote
work stations allowing sales lead generation**

Patent Assignee: CITIBANK NA (CITI-N)

Inventor: HIRSCH M; MARTINEZ R; MELCHIONE A R; SEIFERT E

Number of Countries: 074 Number of Patents: 012

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9715023	A2	19970424	WO 96US16306	A	19961017	199722 B
AU 9675160	A	19970507	AU 9675160	A	19961017	199735
WO 9715023	A3	19970515	WO 96US16306	A	19961017	199737
ZA 9608761	A	19980624	ZA 968761	A	19961017	199831
EP 856178	A2	19980805	EP 96937677	A	19961017	199835
			WO 96US16306	A	19961017	
TW 335469	A	19980701	TW 96112715	A	19961017	199846
US 5930764	A	19990727	US 95544102	A	19951017	199936
			US 96702039	A	19960823	
US 5966695	A	19991012	US 95544102	A	19951017	199949
JP 11513826	W	19991124	WO 96US16306	A	19961017	200006
			JP 97515887	A	19961017	
CN 1204410	A	19990106	CN 96199069	A	19961017	200007
MX 9802992	A1	19980901	MX 982992	A	19980416	200017
KR 99064318	A	19990726	WO 96US16306	A	19961017	200044
			KR 98702814	A	19980417	

Priority Applications (No Type Date): US 96702039 A 19960823; US 95544102 A 19951017

Cited Patents: 2.Jnl.Ref; US 5179660; US 5421008

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9715023 A2 E 183 G06K-000/00
Designated States (National): AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE
DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN
Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE
LS LU MC MW NL OA PT SD SE SZ UG
AU 9675160 A G06F-019/00 Based on patent WO 9715023
WO 9715023 A3 G06K-000/00
ZA 9608761 A 184 G06F-000/00
EP 856178 A2 E G06F-017/60 Based on patent WO 9715023
Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI
LT LU LV MC NL PT RO SE SI
TW 335469 A G06F-019/00
US 5930764 A G06F-017/60 CIP of application US 95544102
US 5966695 A G06F-017/60
JP 11513826 W 177 G06F-019/00 Based on patent WO 9715023
CN 1204410 A G06F-017/60
MX 9802992 A1 G06K-000/00
KR 99064318 A G06F-017/60 Based on patent WO 9715023

Abstract (Basic): WO 9715023 A

The sales process support system for large financial organisations is based around a large central database (10). This has **links** to account opening **systems** to **record** new **customers** and **accounts**. It also has feeds from a variety of other sources, e.g. bank cards, demographics, telephone numbers etc. It stores and maintains consistent information on all customers and possible sales leads.

It has connections to remote micromarketing workstation centres. These workstations are provided with a graphical interface to simplify the task of forming database enquiries that can be used to generate sales leads.

ADVANTAGE - Provides a consistent and wide ranging access to sales lead generation processes.

Dwg.1/18

Title Terms: INTEGRATE; SALE; PROCESS; SUPPORT; SYSTEM; ORGANISE; CENTRAL; DATABASE; MAINTAIN; KEY; DATA; ACCESS; REMOTE; WORK; STATION; ALLOW; SALE ; LEAD; GENERATE

Derwent Class: T01

International Patent Class (Main): G06F-000/00; G06F-017/60; G06F-019/00; G06K-000/00

International Patent Class (Additional): G06G-007/52

File Segment: EPI

15/5/34 (Item 34 from file: 347)
DIALOG(R) File 347:JAPIO
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Good art
Wrong date

07139563 **Image available**

SALES TRANSACTION SYSTEM IN MOBILE COMMUNICATION METHOD IN MOBILE COMMUNICATION NETWORK, AND SERVER FOR SALES TRANSACTION

PUB. NO.: 2002-007935 [JP 2002007935 A]
PUBLISHED: January 11, 2002 (20020111)
INVENTOR(s): REIJO RAIKONEN
APPLICANT(s): ALDATA SOLUTIONS OYJ
APPL. NO.: 2001-136260 [JP 2001136260]
FILED: May 07, 2001 (20010507)
PRIORITY: 00 568591 [US 2000568591], US (United States of America), May 11, 2000 (20000511)
INTL CLASS: G06F-017/60

ABSTRACT

PROBLEM TO BE SOLVED: To provide an m-commerce system requiring no transfer of the information concerning a customer.

SOLUTION: This m-commerce **system** 100 stores a virtual bank **account** for each **customer** **joined** in the **system**. The account shows the payability of the customer. This system also stores information on customers and sellers joined to the system. This system receives the inquiry for payability sent by a seller through a mobile communication network. In reply to this inquiry, the m-commerce system 100 checks whether the customer is payable to a purchased product or not. When the payability is judged, a commercial server 12 transmits a sales message including all details of the transaction concerned. In reply to this sales message, the m-commerce system 100 starts data processing. During this processing, the money is paid to the account of the seller and subtracted from the account of the customer, and statistical and necessary databases are renewed.

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20/5/21 (Item 21 from file: 347)
DIALOG(R)File 347:JAPIO
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04322265 **Image available**
DATA BASE CONTROL SYSTEM

PUB. NO.: 05-313965 [JP 5313965 A]
PUBLISHED: November 26, 1993 (19931126)
INVENTOR(s): TASAKA MITSUNOBU
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 04-325198 [JP 92325198]
FILED: December 04, 1992 (19921204)
INTL CLASS: [5] G06F-012/00; G06F-015/40; G06F-015/40
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.4
(INFORMATION PROCESSING -- Computer Applications)
JOURNAL: Section: P, Section No. 1704, Vol. 18, No. 132, Pg. 11, March
04, 1994 (19940304)

ABSTRACT

PURPOSE: To provide a data base control system and its method that improves the responsiveness to the request given to a data base.

CONSTITUTION: A data base control system consists of a processor 30 and a processor 34 which connects the processor 30 to a data base 36. The processor 30 divides the retrieving requests given to a buffer 304 which controls each record and the base 36 into the retrieving instructions given to the buffer 304 and the base 36 respectively. Thus, the data retrieved from the buffer 304 by the former retrieving **instruction** are **added** to the **record** given from the processor 34 in response to the latter retrieving instruction. Then, the set of the preceding data and record is defined as a response to the retrieving request.

20/5/25 (Item 25 from file: 347)
DIALOG(R)File 347:JAPIO
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03097956 **Image available**
PREPARATION SYSTEM FOR ADDITIONAL PARTS SLIP -

PUB. NO.: 02-073456 [JP 2073456 A]
PUBLISHED: March 13, 1990 (19900313)
INVENTOR(s): KOMAI YOSHIO
KITAMURA YASUHISA
TAO KUNIHIRO
UCHIDA KOICHI
OKISHIRO YUKARI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 63-225890 [JP 88225890]
FILED: September 08, 1988 (19880908)
INTL CLASS: [5] G06F-015/22
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 42.1
(ELECTRONICS -- Electronic Components)
JOURNAL: Section: P, Section No. 1058, Vol. 14, No. 267, Pg. 2, June
08, 1990 (19900608)

ABSTRACT

PURPOSE: To reduce the time and the labor of a person in charge by showing automatically the necessary addition and its quantity to the revised edition of production for the printed matters to which the contents of an additional parts file are outputted.

CONSTITUTION: When the design revised edition information JSK is received from a host device 25, the contents of a reference table 19 are updated and therefore the table 19 is always kept in its latest state. While the production order information JSD received from the device 25 is added to a progress file 17 as a new code. In this case, a production **command** number is automatically **added** to the **record** based on the diagram number designated by the information JSD. Then the production order diagram registered newly into the file 17 is collated with a diagram number of the table 19. In the case the coincidence is obtained between both diagram numbers, the present revised edition is collated with the updated revised edition. As a result, the additional quantity is calculated from an equation I for the parts specifications where the present revised edition is larger than the updated revised edition in terms of the using frequency. Thus it is possible to obtain an additional parts record where the result of calculation is written into the additional quantity item of an additional parts file 18.

Set	Items	Description
S1	1	AU='PHILIPS S'
S2	33	AU='PETERSEN P M'
S3	25	AU='PETERSEN PAUL M' OR AU='PETERSEN PAUL MICHAEL'
S4	1	AU='PETERS P K'
S5	2	AU='PETERS PATRICIA K'
S6	3	AU='GANOE N S' OR AU='GANOE NANCY S'
S7	10	AU='BAILEY M S'
S8	2	AU='BAILEY MARIA S'
S9	3	AU='CATO L G' OR AU='CATO LLOYD G'
S10	5	AU='MILTON C' OR AU='MILTON CHARLES'
S11	3	AU='ZINKY A T' OR AU='ZINKY ALLAN T'
S12	11	AU='FREEMAN T'
S13	2	AU='FREEMAN TINA'
S14	8	AU='GRIGG F' OR AU='GRIGG FRED III'
S15	1	AU='HOLT D H'
S16	2	AU='HOLT DONALD H'
S17	22	AU='CRUZ A'
S18	2	AU='CRUZ ALICIA'
S19	107	S1:S18
S20	19	S19 AND IC=G06F
S21	19	IDPAT (sorted in duplicate/non-duplicate order)
S22	17	IDPAT (primary/non-duplicate records only)

File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)
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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200561
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File 349:PCT FULLTEXT 1979-2005/UB=20050922,UT=20050915
(c) 2005 WIPO/Univentio

File 348:EUROPEAN PATENTS 1978-2005/Sep W03
(c) 2005 European Patent Office

22/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016989587 **Image available**
WPI Acc No: 2005-313901/200532
XRPX Acc No: N05-256588

Threaded program profiling method, involves determining wait time during which thread awaits synchronization event based on information exchanged between processing unit and threads, and determining if time affects critical path

Patent Assignee: ARMSTRONG D R (ARMS-I); NGUYEN A D (NGUY-I); PETERSEN P M (PETE-I); SHAH S M (SHAH-I)

Inventor: ARMSTRONG D R; NGUYEN A D; **PETERSEN P M** ; SHAH S M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050081206	A1	20050414	US 2003684662	A	20031014	200532 B

Priority Applications (No Type Date): US 2003684662 A 20031014

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20050081206	A1	27	G06F-009/46	

Abstract (Basic): US 20050081206 A1

NOVELTY - The method involves determining a critical path of thread execution based on an information exchanged between a processing unit (200) and threads (206, 208). The path is maintained in a critical path tree. Wait time during which one thread awaits a synchronization event is determined based on the information. The wait time affects the critical path or not is determined, and indicated as high priority if it affects the path.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for an article of manufacture comprising a machine-accessible medium having a set of machine-accessible instructions that, when executed, causes a machine to perform a method of profiling a threaded program during program runtime.

USE - Used for profiling a threaded program during program runtime.

ADVANTAGE - The method efficiently profiles a threaded program during runtime, allows a faster execution of the program, and reduces overall run-time of the program.

DESCRIPTION OF DRAWING(S) - The drawing shows a functional diagram of a multiprocessor.

Multiprocessor unit (104)

Processor unit (200)

Data store (202)

Performance monitor (204)

Threads (206, 208, 210)

pp; 27 DwgNo 2/22

Title Terms: THREAD; PROGRAM; PROFILE; METHOD; DETERMINE; WAIT; TIME; THREAD; AWAIT; SYNCHRONISATION; EVENT; BASED; INFORMATION; EXCHANGE; PROCESS; UNIT; THREAD; DETERMINE; TIME; AFFECT; CRITICAL; PATH

Derwent Class: T01

International Patent Class (Main): **G06F-009/46**

File Segment: EPI

22/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016958160 **Image available**
WPI Acc No: 2005-282469/200529
XRPX Acc No: N05-231428

Thread lock managing method in computer system, involves selecting action for acquiring and releasing lock, and transitioning lock from its queried current state to speculatively determined next state

Patent Assignee: HAAB G E (HAAB-I); PETERSEN P M (PETE-I); SHAH S M (SHAH-I); INTEL CORP (ITLC)

Inventor: HAAB G E; **PETERSEN P M** ; SHAH S M; HAAB G; PETERSEN P; SHAH S

Number of Countries: 108 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050055593	A1	20050310	US 2003658626	A	20030908	200529 B
WO 200526948	A2	20050324	WO 2004US29276	A	20040903	200529

Priority Applications (No Type Date): US 2003658626 A 20030908

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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US 20050055593	A1	15	G06F-001/04	
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WO 200526948	A2 E		G06F-009/40	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

Abstract (Basic): US 20050055593 A1

NOVELTY - The method involves selecting an action from a group to acquire or release a lock. Current state of the lock is asynchronously queried and next state of the lock is speculatively determined. The lock is attempted to transition from the queried current state to the speculatively determined next state.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) thread lock managing apparatus;
- (2) article comprising storage medium storing thread lock managing program; and
- (3) thread lock managing system.

USE - For managing shared resource in computer system. Also the technique is implemented in hardware, software, firmware and in programs executing on mobile or stationary computers, personal digital assistants (PDAs) and devices including processor, storage medium.

ADVANTAGE - Enables to efficiently acquire and release a shared resource through the lock semaphore.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining thread lock managing method.

pp; 15 DwgNo 1/5

Title Terms: THREAD; LOCK; MANAGE; METHOD; COMPUTER; SYSTEM; SELECT; ACTION ; ACQUIRE; RELEASE; LOCK; LOCK; CURRENT; STATE; DETERMINE; STATE

Derwent Class: T01; U21

International Patent Class (Main): **G06F-001/04** ; **G06F-009/40**

File Segment: EPI

22/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016135701 **Image available**

WPI Acc No: 2004-293577/200427

XRPX Acc No: N04-233124

Natural language speech utterance responsive system, has autonomous executable domain agents to receive, process and respond to query, and parser to determine domain for user generated utterance based on content

and context

Patent Assignee: FREEMAN T (FREE-I); KENNEWICK M R (KENN-I); KENNEWICK R (KENN-I); KENNEWICK R A (KENN-I); LOCKE D (LOCK-I)
Inventor: **FREEMAN T**; KENNEWICK M R; KENNEWICK R; KENNEWICK R A; LOCKE D
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040044516	A1	20040304	US 2002384388	P	20020603	200427 B
			US 2003452147	A	20030603	

Priority Applications (No Type Date): US 2002384388 P 20020603; US 2003452147 A 20030603

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20040044516	A1	24	G06F-017/28	Provisional application US 2002384388

Abstract (Basic): US 20040044516 A1

NOVELTY - The system has an event manager to coordinate interaction between components of the system. Autonomous executable domain agents receive process and respond to a query or a command. A parser determines a domain for a user generated natural language utterance based on a content and context of the user utterance. The user generated natural language utterance is received through a speech unit.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method responsive to a user generated natural speech utterance.

USE - Used for natural human query response interaction between human and machine.

ADVANTAGE - The system provides an environment that makes maximum use of context, prior information, domain knowledge, and user specific profile data.

DESCRIPTION OF DRAWING(S) - The drawing shows an overall diagrammatic view of a natural language speech utterance responsive system.

Natural language speech utterance responsive system (90)
Main unit (98)
Event manager (100)
Update manager (104)
Agents (106)
Parser (118)
Speech unit (128)
pp; 24 DwgNo 1/6

Title Terms: NATURAL; LANGUAGE; SPEECH; RESPOND; SYSTEM; AUTONOMOUS; EXECUTE; DOMAIN; AGENT; RECEIVE; PROCESS; RESPOND; QUERY; DETERMINE; DOMAIN; USER; GENERATE; BASED; CONTENT; CONTEXT

Derwent Class: T01; W04

International Patent Class (Main): **G06F-017/28**

File Segment: EPI

22/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016021692 **Image available**

WPI Acc No: 2004-179543/200417

XRPX Acc No: N04-142831

Multi-threaded program deadlocks detecting method, involves detecting deadlocks in multi-threaded program based on relationships created between thread of program and mutually exclusive shared resources

Patent Assignee: INTEL CORP (ITLC)

Inventor: MA Z; **PETERSEN P M**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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US 20040025164 A1 20040205 US 2002207262 A 20020730 200417 B

Priority Applications (No Type Date): US 2002207262 A 20020730

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040025164	A1		22	G06F-009/00	

Abstract (Basic): US 20040025164 A1

NOVELTY - The method involves performing a resource operation related to mutually exclusive shared resources (120) by a multi-threaded program (110). The relationships created by the operation between the threads in the program and the shared resources are monitored by a resource operation monitoring mechanism (130). The deadlocks in the program are detected based on the relationships between the threads and the shared resources.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) a system for detecting deadlocks
- (2) an article storing instructions that are executed for detecting deadlocks.

USE - Used for detecting deadlocks in multi-threaded program.

ADVANTAGE - The deadlocks in the multithreaded program are detected based on the relationships between the threads of the program and the shared resources, thereby providing an efficient way to solve the deadlocks within less time and making the resources available for sharing.

DESCRIPTION OF DRAWING(S) - The drawing shows a framework in which deadlocks among threads in a multithreaded program are monitored and detected.

Multi-threaded program (110)

Mutually exclusive shared resources (120)

Resource operation monitoring mechanism (130)

Deadlock detection mechanism (140)

Dynamic deadlock monitoring and detection mechanism (150)

pp; 22 DwgNo 1/12

Title Terms: MULTI; THREAD; PROGRAM; DETECT; METHOD; DETECT; MULTI; THREAD; PROGRAM; BASED; RELATED; THREAD; PROGRAM; MUTUAL; EXCLUDE; SHARE; RESOURCE

Derwent Class: T01

International Patent Class (Main): G06F-009/00

File Segment: EPI

22/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015600434 **Image available**

WPI Acc No: 2003-662589/200362

XRPX Acc No: N03-528841

Parallel computing method in parallel processing computer system, involves translating program unit to another program unit to ensure that thread copies data based on descriptor associated with another thread

Patent Assignee: HOEFLINGER J P (HOEF-I); PETERSEN P M (PETE-I); POULSEN D K (POUL-I); SHAH S M (SHAH-I)

Inventor: HOEFLINGER J P; PETERSEN P M; POULSEN D K; SHAH S M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030135535	A1	20030717	US 200244614	A	20020111	200362 B

Priority Applications (No Type Date): US 200244614 A 20020111

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20030135535 A1 15 G06F-009/00

Abstract (Basic): US 20030135535 A1

NOVELTY - A program unit including a memory copy operation to be performed between threads in a parallel computing environment, is received. The received program unit is translated into another program unit, to ensure that a thread copies data based on a descriptor associated with another thread.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) machine readable medium storing parallel computing program; and

(2) parallel processing computer system.

USE - In parallel processing computer system.

ADVANTAGE - The copy operations are performed across multiple platforms efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of a runtime library.

pp; 15 DwgNo 6/8

Title Terms: PARALLEL; COMPUTATION; METHOD; PARALLEL; PROCESS; COMPUTER; SYSTEM; TRANSLATION; PROGRAM; UNIT; PROGRAM; UNIT; ENSURE; THREAD; COPY; DATA; BASED; DESCRIBE; ASSOCIATE; THREAD

Derwent Class: T01

International Patent Class (Main): G06F-009/00

File Segment: EPI

22/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015599674 **Image available**

WPI Acc No: 2003-661829/200362

XRPX Acc No: N03-528105

Parallel computing reduction operation providing method for computer processing, involves translating first program unit to third program unit to associate reduction operation with instructions that perform algebraic operations on variables

Patent Assignee: HAAB G E (HAAB-I); HOEFLINGER J P (HOEF-I); PETERSEN P M (PETE-I); POULSEN D K (POUL-I); SHAH S M (SHAH-I)

Inventor: HAAB G E; HOEFLINGER J P; PETERSEN P M; POULSEN D K; SHAH S M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030126589	A1	20030703	US 200239789	A	20020102	200362 B

Priority Applications (No Type Date): US 200239789 A 20020102

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030126589	A1		15 G06F-009/45	

Abstract (Basic): US 20030126589 A1

NOVELTY - A first program unit is translated into second program unit which associates the reduction operation with a set of one or more instructions that divides reduction operation between threads. The first program unit is translated to third program unit which associates the reduction operation with a set of one or more instructions that performs algebraic operation on variables.

DETAILED DESCRIPTION - The first program unit including a reduction operation associated with a set of variables is received in parallel computing environment. INDEPENDENT CLAIMS are also included for the following:

(a) an apparatus for providing parallel computation for computer processing; and

(b) a computer readable medium having instructions which enable processors to perform operations when executed by a set of one or more processors.

USE - For providing parallel computing reduction operations for computer processing.

ADVANTAGE - Implements efficient and cost effective reduction operations over multiple computer platforms, and converts a legacy code structure to a form that might be more efficiently executed.

DESCRIPTION OF DRAWING(S) - The figure is a diagram of reduction process implemented by a reduction program.

pp; 15 DwgNo 7/10

Title Terms: PARALLEL; COMPUTATION; REDUCE; OPERATE; METHOD; COMPUTER; PROCESS; TRANSLATION; FIRST; PROGRAM; UNIT; THIRD; PROGRAM; UNIT; ASSOCIATE; REDUCE; OPERATE; INSTRUCTION; PERFORMANCE; ALGEBRA; OPERATE; VARIABLE

Derwent Class: T01

International Patent Class (Main): G06F-009/45

International Patent Class (Additional): G06F-015/00

File Segment: EPI

22/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015594716 **Image available**

WPI Acc No: 2003-656871/200362

XRFX Acc No: N03-523294

Multi-threaded program threading defects detecting method, involves inserting opcode within program to generate annotated memory trace address, and analyzing annotated address trace to detect defects

Patent Assignee: INTEL CORP (ITLC)

Inventor: PELLETT F; PETERSEN P M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6593940	B1	20030715	US 98220735	A	19981223	200362 B
			US 99229477	A	19990113	

Priority Applications (No Type Date): US 99229477 A 19990113; US 98220735 A 19981223

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6593940	B1	30	G06F-011/00	CIP of application US 98220735

Abstract (Basic): US 6593940 B1

NOVELTY - The method involves inserting an opcode within a multi-program to generate an annotated memory trace address. Locks of the program are identified at the instant when two or more threads access the same lock is detected. Ordered nature of previous and current access are determined and a race defect is indicated when the access are not ordered. The results of the analysis are displayed using a graphical interface.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a machine-readable medium having stored instructions to perform the multi-threaded program threading defects detecting method.

USE - Used for detecting threading defects in multi-threaded programs.

ADVANTAGE - The method produces the places and kinds of defects detected during the execution of the program, and permits quick and efficient resolution of defects in the program. The method utilizes a dynamic analysis system that does not need to make conservative assumptions since the act of executing the program generates the exact behavior of the program.

DESCRIPTION OF DRAWING(S) - The drawing shows a flow chart of the operation of a method for finding errors in multi-threaded applications.

pp; 30 DwgNo 1/22

Title Terms: MULTI; THREAD; PROGRAM; THREAD; DEFECT; DETECT; METHOD; INSERT
; PROGRAM; GENERATE; MEMORY; TRACE; ADDRESS; ADDRESS; TRACE; DETECT;
DEFECT

Derwent Class: P85; T01

International Patent Class (Main): G06F-011/00

International Patent Class (Additional): G09G-005/00

File Segment: EPI; EngPI

22/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015535261 **Image available**

WPI Acc No: 2003-597411/200356

XPX Acc No: N03-476137

Task execution method in parallel computer system, involves determining existence of queried task in secondary task stack based on which identified task is executed using primary thread

Patent Assignee: PETERSEN P M (PETE-I)

Inventor: PETERSEN P M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030097395	A1	20030522	US 2001991017	A	20011116	200356 B

Priority Applications (No Type Date): US 2001991017 A 20011116

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030097395	A1	13	G06F-009/00	

Abstract (Basic): US 20030097395 A1

NOVELTY - A set of task stacks associated with corresponding thread is created and task on the primary stack is executed by the primary thread. A queried task in the secondary task stack is identified and the queried task is executed by the primary based on the existence.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) machine readable medium storing task execution instructions;
and

(2) task execution apparatus

USE - For executing tasks in parallel computer system.

ADVANTAGE - Enables maintaining the system efficiency by allowing the execution of task depending on dynamic execution time.

DESCRIPTION OF DRAWING(S) - The figure shows the flow chart indicating task execution.

pp; 13 DwgNo 4A/6

Title Terms: TASK; EXECUTE; METHOD; PARALLEL; COMPUTER; SYSTEM; DETERMINE;
EXIST; TASK; SECONDARY; TASK; STACK; BASED; IDENTIFY; TASK; EXECUTE;
PRIMARY; THREAD

Derwent Class: T01

International Patent Class (Main): G06F-009/00

File Segment: EPI

22/5/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015418409 **Image available**

WPI Acc No: 2003-480549/200345

XRPX Acc No: N03-382069

Code compilation and execution method in multi-threaded environment, involves generating private copies and associated pointers for global storage objects to translate received source code into another code

Patent Assignee: PETERSEN P M (PETE-I); POULSEN D K (POUL-I); SHAH S M (SHAH-I)

Inventor: **PETERSEN P M** ; POULSEN D K; SHAH S M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030066056	A1	20030403	US 2001966518	A	20010928	200345 B

Priority Applications (No Type Date): US 2001966518 A 20010928

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030066056	A1	15	G06F-009/45	

Abstract (Basic): US 20030066056 A1

NOVELTY - A source code written in specific language such as C/C++, and comprising global storage objects such as unions, are translated into another code by adding initialization logic for each of the global storage objects. The addition of initialization logic is performed by generating private copies and associated pointers for the global storage objects.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) code compilation and execution system; and

(2) machine readable medium storing code compilation and execution program.

USE - For accessing thread-privatized global storage objects in C/C++ language, Fortran, Java and Pascal in multi-threaded environment.

ADVANTAGE - By exporting a copy of a data structure which is internal to a run time library, into the program units of the code, the run time speed and performance of the code are increased.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart of the compilation and execution process.

pp; 15 DwgNo 3/7

Title Terms: CODE; COMPILE; EXECUTE; METHOD; MULTI; THREAD; ENVIRONMENT; GENERATE; PRIVATE; COPY; ASSOCIATE; POINT; GLOBE; STORAGE; OBJECT; TRANSLATION; RECEIVE; SOURCE; CODE; CODE

Derwent Class: T01

International Patent Class (Main): **G06F-009/45**

File Segment: EPI

22/5/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015405082 **Image available**

WPI Acc No: 2003-467223/200344

XRPX Acc No: N03-371787

Parallel computation method used in shared memory architectures, involves maintaining allocated shared and private values by incrementing the values, when thread undertakes task corresponding to instances of code segment

Patent Assignee: PETERSEN P M (PETE-I); SHAH S M (SHAH-I)

Inventor: **PETERSEN P M** ; SHAH S M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030061255	A1	20030327	US 2001964950	A	20010927	200344 B

Priority Applications (No Type Date): US 2001964950 A 20010927

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 20030061255 A1 14 G06F-009/00

Abstract (Basic): US 20030061255 A1

NOVELTY - A code segment having set of instances of parallel construct is received and translated to another code to perform predetermined task. A shared value that indicate most current set of instances and private value that indicate one of the set of instances encountered by threads are allocated. The shared and private values are maintained by incrementing the values, when thread undertakes task corresponding to instances.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) parallel computing apparatus;
- (2) parallel computing system; and
- (3) computer-readable medium storing parallel computing program.

USE - For performing parallel computation in shared memory architectures.

ADVANTAGE - The number of lock acquisitions is decreased, by maintaining the shared and private values, thereby the number of potential cache misses are decreased and the memory is utilized efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the parallel computation process.

pp; 14 DwgNo 3A/4

Title Terms: PARALLEL; COMPUTATION; METHOD; SHARE; MEMORY; MAINTAIN; ALLOCATE; SHARE; PRIVATE; VALUE; INCREMENT; VALUE; THREAD; TASK; CORRESPOND; INSTANCE; CODE; SEGMENT

Derwent Class: T01

International Patent Class (Main): G06F-009/00

International Patent Class (Additional): G06F-009/45

File Segment: EPI

22/5/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015387479 **Image available**

WPI Acc No: 2003-448424/200342

XRPX Acc No: N03-357729

Parallel computing method for computer processing involves translating program unit into another program unit if data size of operand is supported by set of low-level instructions

Patent Assignee: HAAB G E (HAAB-I); PETERSEN P M (PETE-I); POULSEN D K (POUL-I); SHAH S M (SHAH-I); INTEL CORP (ITLC)

Inventor: HAAB G E; PETERSEN P M ; POULSEN D K; SHAH S M

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030074649	A1	20030417	US 2001977798	A	20011015	200342 B
US 6792599	B2	20040914	US 2001977798	A	20011015	200460

Priority Applications (No Type Date): US 2001977798 A 20011015

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20030074649 A1 17 G06F-009/44

US 6792599 B2 G06F-009/45

Abstract (Basic): US 20030074649 A1

NOVELTY - The method involves translating a received program unit into another program unit if the data size of an operand included in

the memory update operation of the program unit is supported by a set of low-level instructions, to associate a memory update operation with the set of low-level instructions and ensure atomicity of the memory update operation.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a parallel computer apparatus; and
- (b) a machine-readable medium.

USE - For computer processing.

ADVANTAGE - Enables implementation in any suitable computer system having suitable integrated circuits. Enables efficient atomic operations to be implemented across multiple platforms while optimizing performance of each platform. Provides ability to tailor performance and explore performance and implementation cost trade-offs on each platform. Enables low-level instruction sets to fully support spectrum of operations, data types and data type sizes on individual platform.

DESCRIPTION OF DRAWING(S) - The figure is a flowchart for translating an atomic operation.

pp; 17 DwgNo 3/6

Title Terms: PARALLEL; COMPUTATION; METHOD; COMPUTER; PROCESS; TRANSLATION; PROGRAM; UNIT; PROGRAM; UNIT; DATA; SIZE; OPERAND; SUPPORT; SET; LOW; LEVEL; INSTRUCTION

Derwent Class: T01

International Patent Class (Main): G06F-009/44 ; G06F-009/45

File Segment: EPI

22/5/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014835151 **Image available**

WPI Acc No: 2002-655857/200270

XRPX Acc No: N02-518330

Integrated media presentation provision method involves providing content comprising information assisting agent in winning contest, over digital network

Patent Assignee: LIVEPLANET INC (LIVE-N)

Inventor: BAILEY M S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020090997	A1	20020711	US 2000256058	A	20001215	200270 B
			US 200117468	A	20011214	

Priority Applications (No Type Date): US 2000256058 P 20001215; US 200117468 A 20011214

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020090997	A1	19	G06F-019/00	Provisional application US 2000256058

Abstract (Basic): US 20020090997 A1

NOVELTY - A television program regarding a contest is broadcasted and the content is provided over a digital network. The content comprises information for assisting an agent in winning the contest.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for integrated media presentation provision system.

USE - Used for providing integrated media presentation.

ADVANTAGE - The digital network-delivered content is efficiently associated with television programming and the information of the content assists the user in winning the contest.

DESCRIPTION OF DRAWING(S) - The figure shows the integrated media presentation system.

pp; 19 DwgNo 1/2

Title Terms: INTEGRATE; MEDIUM; PRESENT; PROVISION; METHOD; CONTENT;
COMPRISE; INFORMATION; ASSIST; AGENT; WINNING; CONTEST; DIGITAL; NETWORK
Derwent Class: T01; W01; W02
International Patent Class (Main): **G06F-019/00**
International Patent Class (Additional): **G06F-015/16 ; G06F-017/00**
File Segment: EPI

22/5/13 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014594924
WPI Acc No: 2002-415628/200244
XRPX Acc No: N02-326969

**Method of managing a real world sports organization by establishing an
interactive electronically connected community of sports general managers
and managing the world organization on the basis of input from the
community**

Patent Assignee: LIVEPLANET INC (LIVE-N)
Inventor: **BAILEY M S**
Number of Countries: 096 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200219206	A1	20020307	WO 2001US25784	A	20010817	200244 B
AU 200188288	A	20020313	AU 200188288	A	20010817	200249

Priority Applications (No Type Date): US 2000650026 A 20000828

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200219206	A1	E 45	G06F-017/60	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW				
AU 200188288	A		G06F-017/60	Based on patent WO 200219206

Abstract (Basic): WO 200219206 A1

NOVELTY - The system includes a database and presents a matter regarding the management of the world organization to the community of general managers who vote on the matter. The system tallies the received votes to generate a management outcome. The vote may concern tactics for a particular sporting event or more general strategy.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for

(a) a real world sports team management system

(b) and a real world sporting event management system

USE - Managing a world sports team or event.

ADVANTAGE - Allows wider participation of a number of team managers and increases those managers experience of world events.

pp; 45 DwgNo 0/6

Title Terms: METHOD; MANAGE; REAL; WORLD; SPORTS; ORGANISE; ESTABLISH;
INTERACT; ELECTRONIC; CONNECT; COMMUNAL; SPORTS; GENERAL; MANAGE; WORLD;
ORGANISE; BASIS; INPUT; COMMUNAL

Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

22/5/14 (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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Your application

014228896 **Image available**

WPI Acc No: 2002-049594/200206

Related WPI Acc No: 2001-335420; 2001-596862; 2001-61
2003-149219; 2004-449593; 2004-831963; 2005-019822;
2005-029228; 2005-029359; 2005-029590; 2005-029591;
2005-037117; 2005-037118; 2005-037178; 2005-037179; 2005-037615;
2005-037616; 2005-037617; 2005-037909; 2005-056148; 2005-063282;
2005-063894; 2005-064182; 2005-078280; 2005-078761; 2005-078792;
2005-079035; 2005-090103; 2005-090133; 2005-194839; 2005-201472;
2005-210895; 2005-210902; 2005-210903; 2005-210904; 2005-221026;
2005-231149; 2005-231151; 2005-272056; 2005-303828; 2005-520463;
2005-541003

XRFX Acc No: N02-036635

Computer implemented recurrent billing maintenance system for banks, has process server which updates customer database of merchant, in accordance with merchant processing request data file

Patent Assignee: AMERICAN EXPRESS TRAVEL RELATED SERVICES (AMEX-N); BAILEY M S (BAIL-I); CATO L G (CATO-I); CRUZ A (CRUZ-I); FREEMAN T (FREE-I); GANOE N S (GANO-I); GRIGGS F (GRIG-I); HOLT D H (HOLT-I); MILTON C (MILT-I); PETERS P K (PETE-I); PETERSEN P M (PETE-I); PHILLIPS S (PHIL-I); ZINKY A T (ZINK-I)

Inventor: BAILEY M S ; CATO L G ; CRUZ A ; FREEMAN T ; GANOE N S ; GRIGG F ; HOLT D H ; MILTON C ; PETERS P K ; PETERSEN P M ; PHILLIPS S ; ZINKY A T ; GRIGGS F

Number of Countries: 097 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200189924	A2	20011129	WO 2001US17238	A	20010524	200206 B
US 20020004770	A1	20020110	US 2000206916	P	20000525	200208
			US 2001865878	A	20010525	
AU 200165078	A	20011203	AU 200165078	A	20010524	200221
EP 1350175	A1	20031008	EP 2001939575	A	20010524	200370
			WO 2001US17238	A	20010524	
MX 2002011602	A1	20040401	WO 2001US17238	A	20010524	200478
			MX 200211602	A	20021122	
US 20040243638	A1	20041202	US 2000206916	P	20000525	200481
			US 2001865878	A	20010525	
			US 2004843732	A	20040512	

Priority Applications (No Type Date): US 2000206916 P 20000525; US 2001865878 A 20010525; US 2004843732 A 20040512

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200189924	A2	E	47 G06F-017/60	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW				
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW				
US 20020004770	A1			Provisional application US 2000206916

AU 200165078	A			Based on patent WO 200189924
EP 1350175	A1	E	G06F-017/00	Based on patent WO 200189924
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR				
MX 2002011602	A1		G06F-017/60	Based on patent WO 200189924
US 20040243638	A1		G06F-017/00	Provisional application US 2000206916

Cont of application US 2001865878

Abstract (Basic): WO 200189924 A2

NOVELTY - A merchant process server appends a merchant processing

request to customer accounts to produce merchant processing request data file. A process server compares the data file with a merchant's customer database, to produce a comparison data file which has records including compilation of accepted/rejected requests respectively. The process server updates database according to the merchant processing request data file.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for merchant customer account database updating method.

USE - In banks, utilities, service organizations, service stores, for updating the customer account database through computer network such as Internet, intranet, LAN, WAN, extranet, telephone network, satellite communication, kiosk, point-of-sale equipment, cellphone, personal digital assistant, online communication and offline communication.

ADVANTAGE - Automatically updates the customer database in response to changes made to the customer's transaction account information or credit card privilege status and enables managing remote database information.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the process for performing provider change both transaction.

pp; 47 DwgNo 12/12

Title Terms: COMPUTER; IMPLEMENT; RECURRENCE; BILL; MAINTAIN; SYSTEM; BANK; PROCESS; SERVE; UPDATE; CUSTOMER; DATABASE; MERCHANT; ACCORD; MERCHANT; PROCESS; REQUEST; DATA; FILE

Derwent Class: T01

International Patent Class (Main): G06F-017/00 ; G06F-017/60

File Segment: EPI

22/5/15 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014111282 **Image available**

WPI Acc No: 2001-595494/200167

XRPX Acc No: N01-443781

Detection method for individual errors in parallel computer program involves executing sequential computer program to detect and report semantic inconsistencies

Patent Assignee: INTEL CORP (ITLC)

Inventor: PETERSEN P M ; POULSEN D K; SHAH S M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6286130	B1	20010904	US 97906281	A	19970805	200167 B

Priority Applications (No Type Date): US 97906281 A 19970805

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6286130	B1		79	G06F-009/44	

Abstract (Basic): US 6286130 B1

NOVELTY - The method involves translating an input parallel program into a sequential computer program. The sequential computer program is executed to detect and report the semantic inconsistencies between the parallel computer program and its corresponding sequential computer program.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a system for detecting errors in a parallel computer program by translating a parallel computer program into a sequential computer program.

USE - Used for detecting individual errors in a parallel computer program by translating a parallel computer program into a sequential

computer program.

ADVANTAGE - Enables automatically validating the correctness of parallel computer programs by identifying semantic differences between parallel computer programs and their corresponding sequential programs that would cause the parallel computer programs to behave differently or to produce different results when compared to the corresponding sequential programs. Reports semantic inconsistencies with respect to programmer level constructs in the source code of parallel programs, and supports separate compilation of various procedures in the programs. Performs a validation that is portable across various types of computer systems and independent of attributes of particular computer system. Enables analysis of a complete, parallel programming language dialect independent of the particular parallel programming language used.

DESCRIPTION OF DRAWING(S) - The figure shows the overall structure and flowchart of the detection method..

pp; 79 DwgNo 1/55

Title Terms: DETECT; METHOD; INDIVIDUAL; ERROR; PARALLEL; COMPUTER; PROGRAM ; EXECUTE; SEQUENCE; COMPUTER; PROGRAM; DETECT; REPORT

Derwent Class: T01

International Patent Class (Main): G06F-009/44

File Segment: EPI

22/5/16 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012114493 **Image available**

WPI Acc No: 1998-531405/199845

XRPX Acc No: N98-414683

Software implemented method for privatising global storage objects in parallel computer programming - involves accessing global storage object in privatised manner by executable parallel computer program which is produced by linking translated program with runtime support library

Patent Assignee: KUCK & ASSOC INC (KUCK-N)

Inventor: PETERSEN P M ; POULSEN D K; SHAH S M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5812852	A	19980922	US 96749038	A	19961114	199845 B

Priority Applications (No Type Date): US 96749038 A 19961114

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5812852	A	20	G06F-009/45	

Abstract (Basic): US 5812852 A

The method involves describing global storage objects to be privatised by a privatisation specification (110) based on which a parallel computer program (100) is augmented via a translator (120) to produce a translated parallel computer program (130). The translated program thus produced is linked with a runtime support library (140) by a general purpose computer's linker (150) to produce an executable parallel computer program (160) which accesses the global storage objects in a privatised manner. The above process is repeated for each of the global storage objects to be privatised.

ADVANTAGE - Facilitates accessing of specified global storage object in privatised manner without requiring any user modifications to input parallel computer program. Supports separate compilation of various procedures of parallel program.

Dwg.1/10

Title Terms: SOFTWARE; IMPLEMENT; METHOD; GLOBE; STORAGE; OBJECT; PARALLEL; COMPUTER; PROGRAM; ACCESS; GLOBE; STORAGE; OBJECT; MANNER; EXECUTE;

PARALLEL; COMPUTER; PROGRAM; PRODUCE; LINK; TRANSLATION; PROGRAM; SUPPORT
; LIBRARY
Derwent Class: T01
International Patent Class (Main): G06F-009/45
International Patent Class (Additional): G06F-007/00
File Segment: EPI

22/5/17 (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008269311 **Image available**
WPI Acc No: 1990-156312/199020
XRPX Acc No: N90-121528

**Zero latency data transfer for disc drive controller - comparing sector
identification bytes while sector number is written for storage in table
look-up with buffer address for data storage**

Patent Assignee: WESTERN DIGITAL CORP (WDIG-N)

Inventor: BONKE C; CRUZ A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4918651	A	19900417	US 88220535	A	19880718	199020 B

Priority Applications (No Type Date): US 88220535 A 19880718

Abstract (Basic): US 4918651 A

A zero latency read is accomplished under the control of a state machine by reading and comparing cylinder, high cylinder low and SDH bytes from capture circuitry and a task file. Positive comparison of these three bytes will result in a transfer enable command from the machine to the data transfer circuit and a sector register write

command to the sector register of the task file, thus writing the incoming sector number in the capture circuit into the task file sector register.

Data is then read from the sector to the buffer memory and the microprocessor maps sector number with buffer address. Each sector from the entire track is read in the fashion until all sectors on the track have been completed. Data is then transferred to the host computer under control of the microprocessor in the desired sector order.

ADVANTAGE - Reads data from track on data disk with no latency in initiation of data transfer due to sector alignment. (11pp Dwg.No.7/8)

Title Terms: ZERO; LATENT; DATA; TRANSFER; DISC; DRIVE; CONTROL; COMPARE;
SECTOR; IDENTIFY; BYTE; SECTOR; NUMBER; WRITING; STORAGE; TABLE; UP;
BUFFER; ADDRESS; DATA; STORAGE

Derwent Class: T01; T03

International Patent Class (Additional): G06F-013/00

File Segment: EPI

Set	Items	Description
S1	1195648	INSTRUCTION? ? OR COMMAND? ?
S2	35715	(APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR - ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? - OR COMBINING) (3N) S1
S3	7198189	ACCOUNT? ? OR RECORD? ?
S4	8758640	TRANSACTION? ? OR ORDER? ?
S5	12532141	CUSTOMER? ? OR CLIENT? ? OR BUYER? ?
S6	17586126	SERVER? ? OR PROCESS OR PROCESSES OR SYSTEM? ?
S7	114311	S4 (3N) S3
S8	255417	S5 (3N) S3
S9	9	S2 (5N) (S7 OR S8)
S10	9	S9 NOT PY>2000
S11	4	RD (unique items)
S12	11063	(APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR - ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? - OR COMBINING) (5N) (S7 OR S8)
S13	1194	S12 (10N) S6
S14	3249614	MERCHANT? ? OR VENDOR? ? OR SELLER? ?
S15	50	S13 (10N) S14
S16	32	S15 NOT PY>2000
S17	18	RD (unique items)
S18	252	S2 (5N) S3
S19	48	S18 (10N) (S6 OR S5)
S20	48	S19 NOT S17
S21	31	S20 NOT PY>2000
S22	21	RD (unique items)
S23	9166982	DATABASE? ? OR DB OR DBMS OR RDBMS OR OODB OR EXCEL OR DB2 OR ORACLE OR DIRECTORY OR DIRECTORIES OR LIST? OR TABLE? ? OR DATA() (REPOSITOR? OR BASE? ?)
S24	152943	S23 (5N) S4
S25	527070	S23 (5N) S5
S26	13279	S24 (30N) S25
S27	563988	SYNCHRONI?E? ? OR SYNCHRONI?ING OR SYNCHRONI?ATION OR SYNC OR RECONCILE? ? OR RECONCILING OR RECONCILIATION
S28	124	S26 (10N) S27
S29	70	S28 NOT PY>2000
S30	47	RD (unique items)
File	15:ABI/Inform(R) 1971-2005/Sep 29	
	(c) 2005 ProQuest Info&Learning	
File	9:Business & Industry(R) Jul/1994-2005/Sep 28	
	(c) 2005 The Gale Group	
File	610:Business Wire 1999-2005/Sep 29	
	(c) 2005 Business Wire	
File	810:Business Wire 1986-1999/Feb 28	
	(c) 1999 Business Wire	
File	275:Gale Group Computer DB(TM) 1983-2005/Sep 28	
	(c) 2005 The Gale Group	
File	476:Financial Times Fulltext 1982-2005/Sep 29	
	(c) 2005 Financial Times Ltd	
File	624:McGraw-Hill Publications 1985-2005/Sep 29	
	(c) 2005 McGraw-Hill Co. Inc	
File	621:Gale Group New Prod. Annou. (R) 1985-2005/Sep 29	
	(c) 2005 The Gale Group	
File	636:Gale Group Newsletter DB(TM) 1987-2005/Sep 28	
	(c) 2005 The Gale Group	
File	613:PR Newswire 1999-2005/Sep 29	
	(c) 2005 PR Newswire Association Inc	
File	813:PR Newswire 1987-1999/Apr 30	
	(c) 1999 PR Newswire Association Inc	
File	16:Gale Group PROMT(R) 1990-2005/Sep 28	
	(c) 2005 The Gale Group	

File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 634:San Jose Mercury Jun 1985-2005/Sep 28
(c) 2005 San Jose Mercury News
File 148:Gale Group Trade & Industry DB 1976-2005/Sep 29
(c)2005 The Gale Group
File 647:CMP Computer Fulltext 1988-2005/Sep W2
(c) 2005 CMP Media, LLC

17/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00576666 91-51013

Choosing the Right Software Vendor: A Case of Natural Selection

Taylor, Thayer C.

Sales & Marketing Management v143n12 PP: 46-50 Oct 1991

ISSN: 0163-7517 JRNL CODE: SAL

WORD COUNT: 3078

...TEXT: of third-party data.

The passion for linking databases flames within companies, as well. SFA **vendors** report that businesses want their SFA **systems** **linked** to accounting **records**, **customer** and field service files, and order entry and inventory functions.

Linking the salesperson to various...

17/3,K/6 (Item 4 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2005 Business Wire. All rts. reserv.

00036527 19990428118B1124 (USE FORMAT 7 FOR FULLTEXT)
**SAS Institute and Dun & Bradstreet Announce Solution To Facilitate
Strategic Purchasing Decisions**
Business Wire
Wednesday, April 28, 1999 09:10 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 1,043

...D&B and SAS enterprise procurement solution is unsurpassed as a
comprehensive procurement-decision support **system** and incorporates the
following: -- D&B data which, when **combined** with a **customer** 's
existing **vendor**

records , provides a cleansed and fortified decision support tool. --
Seamless information warehouse-based access to diverse...

17/3,K/16 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

03844285 Supplier Number: 45503943 (USE FORMAT 7 FOR FULLTEXT)
CHOOSE THE RIGHT INFORMATION MANAGEMENT SYSTEM
Contracting Business, p40
May, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1510

... vending and consulting firm for the HVAC industry. He points out that a fully integrated **system** will - as just one example - **link** accounts receivable and **accounts** payable with purchase **orders** to prevent **vendors** from over-billing or even double billing.

'The best advice I can give is to...

30/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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02040669 55493438

Migrating ERP data to an ASP data center

Apicella, Mario

InfoWorld v22n26 PP: 54-60 Jun 26, 2000

ISSN: 0199-6649 JRNL CODE: IFW

WORD COUNT: 1782

...TEXT: not in the other. For example, customer shipping information that's located in both your **customer** and **order databases** maybe housed in only one database after you make the move. Such findings don't...

...is being aware of these differences so you can later create data transformation logic to **reconcile** them.

The end result should be a standard nomenclature that accurately covers all the data...

...which version to use. For example, if you store the same data in both your **customer** and **order databases**, then the **order database** would probably be a better source for shipping addresses because it's presumably more recent. (The **customer database** would be used only when the primary source doesn't contain shipping information.)

Other scenarios...

30/3,K/3 (Item 3 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01530358 01-81346

Databases hit the road

Feibus, Andy

Informationweek n655 PP: 77-88 Nov 3, 1997

ISSN: 8750-6874 JRNL CODE: IWK

WORD COUNT: 4051

...TEXT: the administrator must change this password manually.

If you need to change your remote client **databases**, **you** can use Sybase Central to route a set of SQL commands from the server to remote clients **in order to** alter their database **objects**. Contrast this approach with Oracle, where all you need to change is the application, and click the shortcut, and the replication will occur automatically.

Database **transactions generated** by remote clients **require** two cycles with DBREMOTE for every cycle of SSREMOTE. In other words, to completely synchronize **the** server and remote client **when** the client **database changes**, the client **user** runs DBREMOTE to transfer the changes; then when SSREMOTE runs on the server to process...

30/3,K/9 (Item 9 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00699495 93-48716

Network jam

Hepler, James A

Computerworld v27n17 PP: 89-90 Apr 26, 1993

ISSN: 0010-4841 JRNL CODE: COW

WORD COUNT: 1422

...TEXT: order processing and fulfillment operation, there is information flow between client and servers, as the **client** queries every server-resident **database** for information to fill an **order**. Important to this exchange is the two-phase commit, which **synchronizes** and updates **databases** on both ends of a **transaction**. A shipping order, for example, is guaranteed on both the sending and the receiving ends...

30/3,K/31 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

05321914 Supplier Number: 48100760 (USE FORMAT 7 FOR FULLTEXT)
Databases Hit The Road -- Portable versions of enterprise-class databases
from Computer Associates, Oracle, and Sybase can help keep remote and
mobile users connected to critical data-but not without some work

Feibus, Andy
InformationWeek, p77
Nov 3, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 4183

... so the administrator must change this password manually.

If you need to change your remote **client databases**, you can use Sybase Central to route a set of SQL commands from the server to remote **clients** in **order** to alter their **database** objects. Contrast this approach with Oracle, where all you need to change is the application...

...replicate the remote client information, just click the shortcut, and the replication will occur automatically.

Database transactions generated by remote **clients** require two cycles with DBREMOTE for every cycle of SSREMOTE. In other words, to completely **synchronize** the server and remote **client** when the **client database** changes, the **client** user runs DBREMOTE to transfer the changes; then when SSREMOTE runs on the server to...

Set	Items	Description
S1	1195788	INSTRUCTION? ? OR COMMAND? ?
S2	35720	(APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR - ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? - OR COMBINING) (3N) S1
S3	7199272	ACCOUNT? ? OR RECORD? ?
S4	8759995	TRANSACTION? ? OR ORDER? ?
S5	12534135	CUSTOMER? ? OR CLIENT? ? OR BUYER? ?
S6	17588670	SERVER? ? OR PROCESS OR PROCESSES OR SYSTEM? ?
S7	114315	S4 (3N) S3
S8	255459	S5 (3N) S3
S9	9	S2 (5N) (S7 OR S8)
S10	9	S9 NOT PY>2000
S11	4	RD (unique items)
S12	11063	(APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR - ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? - OR COMBINING) (5N) (S7 OR S8)
S13	15546252	CREDIT OR FINANC?
S14	829	S12 (10N) S13
S15	1194	S12 (10N) S6
S16	194	S15 (30N) S13
S17	95	S15 (10N) S13
S18	58	S17 NOT PY>2000
S19	36	RD (unique items)
S20	217706	S13 (3N) S3
S21	6	S2 (5N) S20
S22	6	S21 NOT PY>2000
S23	3	RD (unique items)
S24	10	(S2 (5N) S3) (10N) S13
S25	10	S24 NOT S19
S26	6	S25 NOT PY>2000
S27	3	RD (unique items)

? show files

File 15:ABI/Inform(R) 1971-2005/Sep 29
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File 9:Business & Industry(R) Jul/1994-2005/Sep 29
(c) 2005 The Gale Group

File 610:Business Wire 1999-2005/Sep 29
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File 275:Gale Group Computer DB(TM) 1983-2005/Sep 29
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File 476:Financial Times Fulltext 1982-2005/Sep 30
(c) 2005 Financial Times Ltd

File 624:McGraw-Hill Publications 1985-2005/Sep 29
(c) 2005 McGraw-Hill Co. Inc

File 621:Gale Group New Prod.Annou.(R) 1985-2005/Sep 29
(c) 2005 The Gale Group

File 636:Gale Group Newsletter DB(TM) 1987-2005/Sep 29
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(c) 2005 PR Newswire Association Inc

File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

File 16:Gale Group PROMT(R) 1990-2005/Sep 28
(c) 2005 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group

File 634:San Jose Mercury Jun 1985-2005/Sep 29
(c) 2005 San Jose Mercury News

File 148:Gale Group Trade & Industry DB 1976-2005/Sep 30
(c) 2005 The Gale Group

File 647: CMP Computer Fulltext 1988-2005/Sep W2
(c) 2005 CMP Media, LLC

19/3,K/5 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01295233 99-44629

Ad systems sales

Anonymous

Editor & Publisher v129n37 PP: 27 Sep 14, 1996

ISSN: 0013-094X JRNL CODE: EDP

WORD COUNT: 834

...TEXT: for USA Today pilot project consolidating all domestic and overseas classified ad processing -- replacing two **systems** and **combining order** entry, billing and **accounts** receivable and **financial** management.

Other AMS classified-retail order entry and billing sales: Oshkosh (Wisc.) Northwestern (accounts receivable...

19/7,K/6 (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00952014 96-01407

Effective database marketing

Tucker, Robert; Brown, Neil

Incentive v168n12 PP: 52-53 Dec 1994 CODEN: ICTMBW ISSN: 1042-5195

JRNL CODE: IMK

DOC TYPE: Journal article LANGUAGE: English LENGTH: 2 Pages

WORD COUNT: 775

ABSTRACT: A 3-point blueprint to help a first time database marketer (DBM) is presented. DBM begins with building the customer/prospect list from various sources, including internal records or historical data, often captured by accounting or operations systems. The next step is segmenting customers and prospects into various classifications. Profiling identifies frequencies (percentages) of different categories. Scoring ranks segments or individual customers by some predetermined criteria, often sales or gross-margin contribution. Modeling employs statistical techniques like multiple regression, which segments data through a series of variables to identify factors that correlate to high sales potential or likelihood of promotional response. Armed with detailed customer and market analysis, the next step is the execution of marketing, sales and communications programs. At least 5 key DBM strategies exist: 1. new customer acquisition, 2. customer penetration, 3. customer retention or reactivation, 4. measuring results, and 5. customer intelligence.

TEXT: Despite the high interest in database marketing (DBM), many business marketers have not implemented a DBM plan. One reason for this is a lack of practical information about DBM. Here's a three-point blueprint to help a first timer develop an effective plan.

STEP 1:

Building the List

DBM begins with building the customer/prospect list from various sources, including internal records or historical data, often captured by accounting or operations systems. External information, available through list providers, **credit** bureaus and other sources, is often "match coded" to **customer records** and then " **appended** " to these records (a **process** commonly referred to as enhancement). Telemarketing or sales input is often helpful in qualifying contact names and ensuring accuracy.

STEP 2:

Segmentation

Segmenting customers and prospects into various classifications is the next step in DBM. The most basic level of segmentation involves classifying, coding or sorting customers/prospects by type, size or potential. Business marketers can utilize Standard Industrial Classifications (SIC codes) established by the federal government to categorize most business types. Other typical classifications include sales revenue, employees and product purchases.

A higher level of segmentation involves profiling, scoring or modeling of customers and prospects. Profiling identifies frequencies (percentages) of different categories: For example, "Financial services make up 17 percent of XYZ Corp.'s customer base." In addition, the 80/20 rule can be illustrated utilizing percentages: For example, "80 percent of XYZ's profits are derived from the top 20 percent of customers."

Scoring, as the name implies, ranks segments or individual customers by some predetermined criteria, often sales or gross-margin contribution.

Dividing the ranked list into three groups is common to identify heavy, moderate and light users. Mail order marketers utilize RFM, that is, recency (how recently the customer purchased a company's product), frequency, and monetary or transaction value as criteria for judging customer worth.

Modeling employs statistical techniques like multiple regression, which segments data through a series of variables to identify factors that correlate to high sales potential or likelihood of promotional response. Prospective customers can then be "fitted" to these models to determine which prospects should be priorities.

STEP 3:

Marketing, Sales and Communications Programs

Armed with detailed customer and market analysis, the next step is the execution of marketing, sales and communications programs. Depending on your objectives, at least five key DBM strategies exist:

1. New customer acquisition. Identifying and communicating with high-potential prospects is a goal of most marketers. The segmentation tools described allow you to focus on prospects that are heavy users or that fit predetermined criteria. DBM can be used to identify new customer "gains," and to track trends in new customer activity. Finally, DBM can be used to target and manage prospect communications, marketing and sales programs.
2. Customer penetration. Are you the sole supplier to your top 25 customers? If not, what is your "account penetration" level by customer? DBM can help identify penetration by comparing transaction data to total customer purchases, whether actual, forecasted or derived data (a more precise form of forecasting which predicts future purchases based upon current and past purchasing levels). In addition, modeling "ideal" product mix by customer type will identify cross-selling and up-selling opportunities. Again, the segmentation step can identify opportunities. Then DBM can serve to coordinate or manage marketing, sales and communications.
3. Customer retention or reactivation. Strategies in this area have grown in importance since the high cost of new customer acquisition has been well documented. DBM can support the identification of lost customers to be reclaimed and dormant customers to be reactivated, as well as the "lifetime value" of customers. DBM often is the foundation for implementing loyalty-building strategies, including continuity or points programs, recognition programs and other value-added marketing or sales campaigns.
4. Measuring results. Tracking of marketing, sales, advertising and communications program results is possible by "capturing" customer/prospect responses, transactions and other information in the database. Updating customer records allows the database to remain fresh. In addition, coding and sorting allows for the testing of alternative programs or offers, with responses carefully measured to support ongoing improvements.
5. Customer intelligence. Sometimes a byproduct of DBM is the ability to utilize the database as a customer intelligence device. Segmentation supports customer intelligence. Often a customer record will include unlimited text entries. This information can be used to predict future purchasing patterns of existing products and likely purchases of products not yet in the marketplace. Having access to remote databases in markets your company sells in and employing a "real-time" updating system will reinforce the effectiveness of customer intelligence applications.

Robert Tucker is president and Neil Brown is senior marketing director of Tucker Chicago Inc., a Schamburg, Ill.-based full-service marketing and communications agency.

THIS IS THE FULL-TEXT. Copyright Bill Communications 1994

...TEXT: historical data, often captured by accounting or operations systems. External information, available through list providers, **credit** bureaus and other sources, is often "match coded" to **customer records** and then " **appended** " to these records (a **process** commonly referred to as enhancement). Telemarketing or sales input is often helpful in qualifying contact...

?

19/3,K/8 (Item 8 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00478822 90-04579

Inside the Information Industry: Who Owns Who, and What It Means to You

Schwartz, Joe

American Demographics v12n1 PP: 14-18 Jan 1990

ISSN: 0163-4089 JRNL CODE: ADE

...ABSTRACT: is changing rapidly, depending less on the decennial census and more on large national surveys **linked** to scanner data, **credit** card **transaction records**, and other sources. Desktop demographic **systems** are now being used to link databases together, enabling researchers to obtain a comprehensive look...

19/3,K/18 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01023741 SUPPLIER NUMBER: 00514035
Using Medical Records to Ensure Fair DRG Reimbursement.
Ray, W.J.; Johnstone, J.
Computers in Healthcare, v4, n12, p32-33
Dec., 1983
ISSN: 0745-1075 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: concurrent control of cost per case and monitoring and
controlling of outliers. Medical Information Management **Systems** (MIMS) is
a distributed processing package designed to **combine financial** with
medical **record** data in **order** to monitor and control costs on a per case
basis. MIMS also supplies case mix...

19/3,K/28 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

02377845

FINANCIAL

MIS Week December 4, 1989 p. 25

ISSN: 0199-8838

FULL TEXT AVAILABLE IN FORMAT 7 OR 9 WORD COUNT: 53

... s Financial Advisors Service, San Francisco, recently announced a new computerized service designed to help **financial** advisers manage their accounts more efficiently. The 'Account Access **Link**' provides automatic transfer of **client account** information from Schwab's computer **system** directly to the adviser's personal computer.

...

19/3,K/32 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

06502974 SUPPLIER NUMBER: 13786794 (USE FORMAT 7 OR 9 FOR FULL TEXT)
U.S. Bancorp choice a boost for Tandem in retail banking. (Tandem Computers Inc.)

Iida, Jeanne
American Banker, v158, n100, p3(1)
May 26, 1993

ISSN: 0002-7561 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 664 LINE COUNT: 00053

... small number of branches.

Combining Data

The software is designed to collect information from multiple **systems** across the bank and **combine** data on all the **customer**'s **account** relationships with personal **financial** details. The resulting data base serves as a central source for marketing and profitability, both

...

Set	Items	Description
S1	185983	INSTRUCTION? ? OR COMMAND? ?
S2	4817	(APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR - ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? - OR COMBINING) (3N) S1
S3	1136454	ACCOUNT? ? OR RECORD? ?
S4	1072067	TRANSACTION? ? OR ORDER? ?
S5	1582627	CUSTOMER? ? OR CLIENT? ? OR BUYER? ?
S6	1945688	SERVER? ? OR PROCESS OR PROCESSES OR SYSTEM? ?
S7	16273	S4 (3N) S3
S8	42534	S5 (3N) S3
S9	0	S2 (5N) (S7 OR S8)
S10	1674	(APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR - ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? - OR COMBINING) (5N) (S7 OR S8)
S11	152	S10 (10N) S6
S12	116	S11 NOT PY>2000
S13	386097	MERCHANT? ? OR VENDOR? ? OR SELLER? ?
S14	13	S11 (30N) S13
S15	11	S14 NOT PY>2000
S16	10	RD (unique items)
S17	59	S2 (5N) S3
S18	59	S17 NOT PY>2000
S19	9	S18 (30N) (S6 OR S5 OR S13)
S20	9	S19 NOT PY>2000
S21	8	RD (unique items)
S22	1241413	DATABASE? ? OR DB OR DBMS OR RDBMS OR OODB OR EXCEL OR DB2 OR ORACLE OR DIRECTORY OR DIRECTORIES OR LIST? OR TABLE? ? OR DATA() (REPOSITOR? OR BASE? ?)
S23	18337	S22 (5N) S4
S24	71423	S22 (5N) S5
S25	5	S2 (5N) (S23 OR S24)
S26	1436	S23 (30N) S24
S27	57571	SYNCHRONI?E? ? OR SYNCHRONI?ING OR SYNCHRONI?ATION OR SYNC OR RECONCILE? ? OR RECONCILING OR RECONCILIATION
S28	4	S27 (5N) S26
S29	831320	COMPARE? ? OR COMPARING OR CONSISTENT OR CONSISTENCY OR MA- TCH?? OR MATCHING
S30	20	S29 (5N) S26
S31	14	S30 NOT PY>2000
S32	14	RD (unique items)
File 635:Business Dateline(R) 1985-2005/Sep 29 (c) 2005 ProQuest Info&Learning		
File 570:Gale Group MARS(R) 1984-2005/Sep 28 (c) 2005 The Gale Group		
File 47:Gale Group Magazine DB(TM) 1959-2005/Sep 29 (c) 2005 The Gale group		
File 625:American Banker Publications 1981-2005/Sep 29 (c) 2005 American Banker		
File 268:Banking Info Source 1981-2005/Sep W2 (c) 2005 ProQuest Info&Learning		
File 267:Finance & Banking Newsletters 2005/Sep 27 (c) 2005 Dialog		
File 139:EconLit 1969-2005/Sep (c) 2005 American Economic Association		

28/3,K/3 (Item 3 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2005 The Gale group. All rts. reserv.

04070181 SUPPLIER NUMBER: 15230265 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Making more time to sell. (computerization of Carl Zeiss Inc.)
Taylor, Thayer C.
Sales & Marketing Management, v146, n5, p40(2)
May, 1994
ISSN: 0163-7517 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1095 LINE COUNT: 00084

... office locations." Also crucial is the ability to take data from
different sources, such as **customer** file, product and price **databases** ,
and an **order** file and **synchronize** them into a single unit for each
customer transaction.

The system used by Zeiss consists...

32/3,K/9 (Item 1 from file: 570)

DIALOG(R)File 570:Gale Group MARS(R)

(c) 2005 The Gale Group. All rts. reserv.

01856380 Supplier Number: 59474406 (USE FORMAT 7 FOR FULLTEXT)

Barclays calls out to customers.(Brief Article)

Precision Marketing, p3

March 9, 1998

ISSN: 0957-4913

Language: English Record Type: Fulltext

Article Type: Brief Article

Document Type: Magazine/Journal; Trade

Word Count: 207

... Barclaycall.

"We will be trialling new ways of marketing Barclaycall, such as looking at our **database** and **matching transactions** and **customer** profiles for direct activity," she says.

Barclaycall was launched in 1994, but has remained low...

32/3,K/10 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2005 The Gale group. All rts. reserv.

05434325 SUPPLIER NUMBER: 55676582 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**EBSCO Provides Durable URL Link from 856 Field, Teams with Ameritech on
Dynix EDI X12 Invoice.**

Information Today, 16, 8, 52

Sept, 1999

ISSN: 8755-6286 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 591 LINE COUNT: 00050

... such projects, and we're pleased to offer Dynix customers this
convenience."

The Dynix process **matches** invoice **data** **based** upon the Dynix
Order Number. **Customers** who take advantage of an ftp invoice can update
financial data for serials more easily...

Set	Items	Description
S1	186005	INSTRUCTION? ? OR COMMAND? ?
S2	4817	(APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR - ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? - OR COMBINING) (3N) S1
S3	1136538	ACCOUNT? ? OR RECORD? ?
S4	1072148	TRANSACTION? ? OR ORDER? ?
S5	1582706	CUSTOMER? ? OR CLIENT? ? OR BUYER? ?
S6	1945815	SERVER? ? OR PROCESS OR PROCESSES OR SYSTEM? ?
S7	16273	S4 (3N) S3
S8	42539	S5 (3N) S3
S9	0	S2 (5N) (S7 OR S8)
S10	1674	(APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR - ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? - OR COMBINING) (5N) (S7 OR S8)
S11	2017800	CREDIT OR FINANC?
S12	1	S2 (10N) (S7 OR S8)
S13	96	S10 (5N) S6
S14	74	S13 NOT PY>2000
S15	72	RD (unique items)
S16	287	S10 (30N) S11
S17	146	S10 (10N) S11
S18	19	S13 (30N) S11
S19	13	S18 NOT PY>2000
S20	13	RD (unique items)
S21	39326	S11 (3N) S3
S22	0	S2 (5N) S21
S23	0	S2 (10N) S21
S24	855	(APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR - ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? - OR COMBINING) (5N) S21
S25	32	S24 (5N) S6
S26	26	S25 NOT PY>2000
S27	26	S26 NOT S20
S28	25	RD (unique items)
File 635:Business Dateline(R) 1985-2005/Sep 29		
(c) 2005 ProQuest Info&Learning		
File 570:Gale Group MARS(R) 1984-2005/Sep 29		
(c) 2005 The Gale Group		
File 47:Gale Group Magazine DB(TM) 1959-2005/Sep 30		
(c) 2005 The Gale group		
File 625:American Banker Publications 1981-2005/Sep 30		
(c) 2005 American Banker		
File 268:Banking Info Source 1981-2005/Sep W2.		
(c) 2005 ProQuest Info&Learning		
File 267:Finance & Banking Newsletters 2005/Sep 27		
(c) 2005 Dialog		
File 139:EconLit 1969-2005/Sep		
(c) 2005 American Economic Association		

20/3,K/1 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

1069101 00-34584

E-commerce reaches E-customers

Anonymous

St Louis Commerce (St Louis, MO, US) p54

PUBL DATE: 990500

WORD COUNT: 2,001

DATLINE: St Louis, MO, US, Midwest

TEXT:

...gives mid-market companies fully integrated e-commerce solutions that connect their online business with **financial** and order management systems, inventory control, and all management reporting. Not only will the **system** build **records** of **customer** preferences, but businesses can **add** features that will offer new items that match with customer buying habits or alternatives if...

20/3,K/6 (Item 2 from file: 625)
DIALOG(R)File 625:American Banker Publications
(c) 2005 American Banker. All rts. reserv.

0135041

*** U.S. Bancorp Choice A Boost for Tandem In Retail Banking**

American Banker - May 26, 1993; Pg. 3; Vol. 158, No. 100

WORD COUNT: 621

BYLINE:

By JEANNE IIDA

TEXT:

...only a small number of branches.

The software is designed to collect information from multiple **systems** across the bank and **combine** data on all the **customer 's account** relationships with personal **financial** details. The resulting data base serves as a central source for marketing and profitability, both...

20/7/10 (Item 2 from file: 268)
DIALOG(R) File 268: Banking Info Source
(c) 2005 ProQuest Info&Learning. All rts. reserv.

00298299 (THIS IS THE FULLTEXT)

Enterprise-wide limit minding at FNB

Anonymous

Financial Technology International Bulletin, v14, n1, p4, Sep 1996

ARTICLE REFERENCE NUMBER:

TEXT:

SOUTH AFRICA'S First National Bank has commenced work on a real-time credit limit-minding system encompassing its entire corporate and retail customer base.

The bank is installing the Ricos system, from Management Data, on an IBM MVS mainframe and DB2 database at its computer centre in Johannesburg. The turnkey implementation is scheduled for completion by December this year, and work to connect the bank's 600 branches and extensive ATM network to the core system will then begin. The complete system is expected to go live during 1997.

All customer transactions, including those performed at ATMs and those entered into using Video Bank, FNB's PC-based home banking system, will be fed into Ricos and checked against the relevant customer credit limits.

Limits for the bank's corporate customers will be maintained in the same way. The dedicated banking terminals used for corporate cash management will be linked to Ricos through FNB's customer information system, enabling up-to-the-minute credit checking on business accounts.

In total, some 3000 staff within the bank's branches will access the data through OS/2 PCs or dumb terminals, and customer limits generally will be controlled at this level. Data systems engineers are working closely with the bank's IT staff to customise the user interface so that it more closely resembles the Hogan system, which bank staff already use on a daily basis. Detailed management information is provided by **combining customer account** information from the Hogan **system** with data on customer transactions and **credit** limits generated through Ricos. The reporting facilities will be used to analyse customers' overall lending exposure and to view outstanding credits by customer, by product and by branch.

David Gelling, FNB's manager of risk control systems within the group credit division, says: 'FNB had already been working with Management Data for a number of years, having successfully installed the Corona account reconciliation system within our treasury division. When it came to selecting a credit risk system, the ability to provide credit checking in real time was a fundamental requirement. Ricos appeared to be the only system on the market which met our precise needs.'

FNB is now planning to extend the system across the group, taking in divisions in Botswana, Namibia and Swaziland, and subsidiaries such as Wesbank, a motor vehicle finance firm, and Firstcard, a credit card issuer.

Copyright International Business Communications 1996

?

20/3,K/12 (Item 4 from file: 268)

DIALOG(R)File 268:Banking Info Source

(c) 2005 ProQuest Info&Learning. All rts. reserv.

00181088

Building profit centers in banks

Keyes, Robert

Northwestern Banker, v1459, p18,21, Apr 1985 LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT: Bank design specialist HBE Bank Facilities, Inc., after extensive research into the blueprints, **financial** condition, and existing operational relationships at Peoples State Bank of St. Joseph, proposed and installed: 1) a pneumatic **transaction system linking new accounts** to the teller line; and 2) a special VIP area for upscale clients needing extra...

20/3,K/13 (Item 5 from file: 268)

DIALOG(R)File 268:Banking Info Source

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00117623

Continental Federal eliminates politics from technology planning

O'Heney, Sheila A.

Computers in Banking, v5, n2, p54-57, Feb 1988 LANGUAGE: English

RECORD TYPE: Abstract

...ABSTRACT: Systematics software. Branch automation was achieved through Broadway & Seymour's Maxim and IBM's 4700 **Financial Communications System**. The second phase will **link** document preparation and new **accounts** to the **Customer** Information File. The third phase will place PCs with cross selling packages in each branch...

28/3,K/5 (Item 5 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

0129059 90-11751

Big Banks Drawing a Bead on Small Businesses

Neurath, Peter

Puget Sound Business Journal (Seattle, WA, US), V10 N43 s1 p14

PUBL DATE: 900226

WORD COUNT: 1,858

DATELINE: Tacoma, WA, US

TEXT:

...monthly statement.

The package can also include such things as a business credit card that
combines credit with a **record -kaeping system** .

At First Interstate Bank, Alferts notes that 70 percent of
small-business people don't...

28/3,K/15 (Item 7 from file: 625)
DIALOG(R)File 625:American Banker Publications
(c) 2005 American Banker. All rts. reserv.

0122519

*** New Uses for Debit Cards Emerge: Video Conferences and Mini Cash Machines
Offered**

American Banker - December 9, 1991; Pg. 3; Vol. 156, No. 235

WORD COUNT: 642

BYLINE:

By MATT BARTHEL

TEXT:

...up support for their on-line
debit card programs with financial institutions.

In such a **system**, retailers are **linked** directly with demand deposit
accounts at **financial** institutions, so that when a customer makes a
purchase, the money is immediately transferred to...

28/3,K/18 (Item 10 from file: 625)
DIALOG(R)File 625:American Banker Publications
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0007348

**Gerstner Says Amexco Hastens Deregulation: Thinks Banks Should Focus on the
Middle Market Customers**

American Banker - June 14, 1982, Monday; Pg. 1

WORD COUNT: 3,057

BYLINE:

By ROBERT TRIGAUX

TEXT:

... version of Merrill Lynch's CMA -- which now has over 600,000 customers
-- Shearson's **Financial** Management **Account** **combines** the payment
system of an American Express gold card with Shearson broker accounts and
money funds. E.F...

28/3,K/19 (Item 1 from file: 268)

DIALOG(R)File 268:Banking Info Source

(c) 2005 ProQuest Info&Learning. All rts. reserv.

00307533 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Small company looms large

Cohen, Jackie

Bank Technology News, v10, n3, p9,12, Mar 1997 DOCUMENT TYPE: Journal

Article ARTICLE TYPE: News LANGUAGE: English RECORD TYPE: Abstract

Fulltext

WORD COUNT: 00993

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... systems; each legacy system is already hooked into the hub.

Explains Duncalfe, "We typically build **links** into a demand deposit **account system**, a **credit card system**, a bill payment **system** and marketing databases. We could also build links into a loan decisioning system. All the...

28/3,K/25 (Item 7 from file: 268)

DIALOG(R)File 268:Banking Info Source

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00023362

Innovation in retail banking

Rose, Sanford

Journal of Retail Banking, v14, n3, p43-45, Sep 1992 LANGUAGE: English

RECORD TYPE: Abstract

...ABSTRACT: technology that may facilitate this transition. The patent-protected Home Account is based on a **system** that **links** multiple **accounts** and so enables **financial** planning that maximizes aftertax returns and minimizes borrowing costs. For an initial estimated cost of...

Set	Items	Description
S1	16552	APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? OR COMBINING
S2	2294	INSTRUCTION? ? OR COMMAND? ?
S3	5201	ACCOUNT? ? OR RECORD? ?
S4	6972	TRANSACTION? ? OR ORDER? ?
S5	18742	CUSTOMER? ? OR CLIENT? ? OR BUYER? ?
S6	65	S1 (3N) S2
S7	181	S4 (3N) S3
S8	283	S5 (3N) S3
S9	0	S6 (5N) (S7 OR S8)
S10	14	S1 (5N) (S7 OR S8)
S11	44887	SERVER? ? OR PROCESS OR PROCESSES OR SYSTEM? ?
S12	5951	CREDIT OR FINANC?
S13	7	RD S10 (unique items)
S14	192	S12 (3N) S3
S15	0	S6 (5N) S14
S16	0	S6 AND S14
S17	3	S1 (5N) S14
S18	0	S6 (5N) S3

File 256:TecInfoSource 82-2005/Oct
(c) 2005 Info.Sources Inc

Set	Items	Description
S1	239016	INSTRUCTION? ? OR COMMAND? ?
S2	2859	(APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR - ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? - OR COMBINING) (3N) S1
S3	1120256	ACCOUNT? ? OR RECORD? ?
S4	2170557	TRANSACTION? ? OR ORDER? ?
S5	411784	CUSTOMER? ? OR CLIENT? ? OR BUYER? ?
S6	8340175	SERVER? ? OR PROCESS OR PROCESSES OR SYSTEM? ?
S7	13072	S4 (3N) S3
S8	4271	S5 (3N) S3
S9	1	S2 (5N) (S7 OR S8)
S10	3	S2 AND (S7 OR S8)
S11	176	(APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR - ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? - OR COMBINING) (5N) (S7 OR S8)
S12	76	S11 AND S6
S13	52	S12 NOT PY>2000
S14	47	RD (unique items)
S15	8	S2 (5N) S3
S16	7	S15 NOT (S9 OR S10 OR S14)
S17	5	RD (unique items)
S18	1005601	DATABASE? ? OR DB OR DBMS OR RDBMS OR OODB OR EXCEL OR DB2 OR ORACLE OR DIRECTORY OR DIRECTORIES OR LIST? OR TABLE? ? OR DATA() (REPOSITOR? OR BASE? ?)
S19	5817	S5 (3N) S18
S20	10917	S4 (3N) S18
S21	186	S19 AND S20
S22	119906	SYNCHRONI?E? ? OR SYNCHRONI?ING OR SYNCHRONI?ATION OR SYNC OR RECONCILE? ? OR RECONCILING OR RECONCILIATION
S23	0	S21 (5N) S22
S24	1	S21 AND S22
S25	2551853	COMPARE? ? OR COMPARING OR CONSISTENT OR CONSISTENCY OR MA- TCH?? OR MATCHING
S26	23	S19 AND S20 AND S25
S27	13	S26 NOT PY>2000
S28	11	RD (unique items)
File	35:	Dissertation Abs Online 1861-2005/Aug (c) 2005 ProQuest Info&Learning
File	583:	Gale Group Globalbase(TM) 1986-2002/Dec 13 (c) 2002 The Gale Group
File	65:	Inside Conferences 1993-2005/Sep W4 (c) 2005 BLDSC all rts. reserv.
File	2:	INSPEC 1969-2005/Sep W3 (c) 2005 Institution of Electrical Engineers
File	474:	New York Times Abs 1969-2005/Sep 28 (c) 2005 The New York Times
File	475:	Wall Street Journal Abs 1973-2005/Sep 28 (c) 2005 The New York Times
File	99:	Wilson Appl. Sci & Tech Abs 1983-2005/Jul (c) 2005 The HW Wilson Co.
File	8:	Ei Compendex(R) 1970-2005/Sep W3 (c) 2005 Elsevier Eng. Info. Inc.

14/5/24 (Item 12 from file: 2)

DIALOG(R)File 2:INSPEC

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05966671 INSPEC Abstract Number: B9507-6150M-024, C9507-5640-015

Title: Anonymous credit cards of cash and credit cards

Author(s): Low, S.H.; Paul, S.

Author Affiliation: AT&T Bell Labs., Murray Hill, NJ, USA

p.108-17

Publisher: ACM, New York, NY, USA

Publication Date: 1994 Country of Publication: USA x+293 pp.

ISBN: 0 89791 732 4

U.S. Copyright Clearance Center Code: 0 89791 732 4/94/0011.\$3.50

Conference Title: Proceedings of 2nd ACM Conference on Computer and Communications Security

Conference Sponsor: ACM

Conference Date: 2-4 Nov. 1994 Conference Location: Fairfax, VA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: This paper describes a communications networking technique for funds transfer which **combines** the privacy of cash **transactions** with the security, **record** -keeping and charging mechanisms of credit cards. The scheme uses a communications network and cryptographic protocols to separate information. The company that extends credit to the individual and collects the bill does not have access to the specific purchases, and the shop that sells the merchandise is convinced that it will be paid without learning the individual's identity. The information is separated to make it difficult to associate an individual with his purchases. Analysis of the information separation in this **system** shows that five parties must collude to associate an individual's identity and purchases. If an individual deposits cash into the **system**, rather than asking for credit, then none of the parties need to know his identity. Complete anonymity is obtained while retaining the security against loss or theft and the record keeping capabilities of credit cards. (25 Refs)

Subfile: B C

Descriptors: cryptography; data privacy; EFTS; protocols

Identifiers: anonymous credit cards; cash and credit cards; communications networking technique; funds transfer; privacy; record-keeping; charging mechanisms; cryptographic protocols

Class Codes: B6150M (Protocols); B6120B (Codes); C5640 (Protocols); C6130S (Data security); C7120 (Financial computing)

Copyright 1995, IEE

Set	Items	Description
S1	453875	INSTRUCTION? ? OR COMMAND? ?
S2	12461	(APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR - ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? - OR COMBINING) (3N) S1
S3	280905	ACCOUNT? ? OR RECORD? ?
S4	1104959	TRANSACTION? ? OR ORDER? ?
S5	99313	CUSTOMER? ? OR CLIENT? ? OR BUYER? ?
S6	1719188	SERVER? ? OR PROCESS OR PROCESSES OR SYSTEM? ?
S7	16067	S4 (3N) S3
S8	8151	S5 (3N) S3
S9	9	S2 (5N) (S7 OR S8)
S10	9	IDPAT (sorted in duplicate/non-duplicate order)
S11	9	IDPAT (primary/non-duplicate records only)
S12	11	S2 (10N) (S7 OR S8)
S13	2	S12 NOT S11
S14	134	S2 (5N) S3
S15	45	S14 (30N) S6
S16	41	S15 NOT S12
S17	41	IDPAT (sorted in duplicate/non-duplicate order)
S18	38	IDPAT (primary/non-duplicate records only)
S19	3	S14 (10N) S5
S20	4	S14 (30N) S5
S21	31588	MERCHANT? ? OR VENDOR? ? OR SELLER? ?
S22	2	S14 (30N) S21
S23	1079	(APPEND? ? OR APPENDED OR APPENDING OR ADD? ? OR ADDED OR - ADDING OR JOIN? ? OR JOINED OR JOINING OR LINK? ? OR LINKED OR LINKING OR ADJOIN? ? OR ADJOINED OR ADJOINING OR COMBINE? ? - OR COMBINING) (5N) (S7 OR S8)
S24	499	S23 (30N) S6
S25	286	S23 (10N) S6
S26	26	S25 (30N) S21
S27	25	S26 NOT (S11 OR S18 OR S20)
S28	25	IDPAT (sorted in duplicate/non-duplicate order)
S29	25	IDPAT (primary/non-duplicate records only)

File 348:EUROPEAN PATENTS 1978-2005/Sep W03
(c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050922,UT=20050915
(c) 2005 WIPO/Univentio

11/5/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00804170

Customer information control system and method with transaction
serialization control functions in a loosely coupled parallel
processing environment

Kundeninformationssteuerungssystem und Verfahren mit Steuerfunktionen zur
Transaktionsserialisierung in einer lose gekoppelten parallelen
Verarbeitungsumgebung

Systèmes et méthode de commande d'information client avec fonctions de
commande de serialisation de transaction dans un environnement de
traitement parallèle a c

PATENT ASSIGNEE:

TANDEM COMPUTERS INCORPORATED, (524035), 10435 N. Tantau Avenue,
Cupertino, CA 95014-3548, (US), (applicant designated states:
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PATENT (CC, No, Kind, Date): EP 747814 A1 961211 (Basic)

APPLICATION (CC, No, Date): EP 96303661 960522;

PRIORITY (CC, No, Date): US 479701 950607

DESIGNATED STATES: DE; FR; GB; IT; SE

INTERNATIONAL PATENT CLASS: G06F-009/46;

ABSTRACT EP 747814 A1

The present invention is a distributed computer system having a plurality of end user terminals and a plurality of loosely coupled server computers that share no resources with each other. A multiplicity of user application processes are distributed over the server computers. An Enq table is stored on a first one of the server computers. The Enq table includes Enq records, each representing a locked resource. When any user application process executes an Enq instruction naming a specific resource, if the Enq table does not already contain an Enq record for the specific resource an Enq record is generated and stored in the Enq table representing the specific resource as locked. The Enq record is stored in the same Enq table on the first server computer regardless of which server computer executes the Enq instruction. If the Enq table does already contain an Enq record for the specific resource, execution of the user application process that executed the Enq instruction is suspended. When any user application process executes a Deq instruction naming a specific resource, the corresponding Enq record, if any, is deleted. In addition, execution is resumed for any user application process that was suspended when it attempted to execute an Enq instruction on the same specific resource.

ABSTRACT WORD COUNT: 233

LEGAL STATUS (Type, Pub Date, Kind, Text):

Withdrawal: 010110 A1 Date application deemed withdrawn: 20000725

Examination: 20000426 A1 Date of dispatch of the first examination
report: 20000314

Application: 961211 A1 Published application (A1with Search Report
;A2without Search Report)

Examination: 970502 A1 Date of filing of request for examination:
970306

LANGUAGE (Publication,Procedural,Application): English; English; English

11/5/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00804169

Customer information control system and method in a loosely coupled parallel processing environment
Benutzerinformationssteuersystem und -verfahren in einer lose gekoppelten parallelen Datenverarbeitungsumgebung
Système et procédé de contrôle d'information des clients dans un environnement de traitement parallèle avec couplage lâche

PATENT ASSIGNEE:

TANDEM COMPUTERS INCORPORATED, (524035), 10435 N. Tantau Avenue,
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DE;FR;GB;IT;SE)

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Hotea, Andreas E., 900 Pepper Tree Lane, Apt. 725, Sanata Clara, California 95051, (US)
Redd, Robert W., 320 Windrift Court, Roswell, Georgia 30076, (US)
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PATENT (CC, No, Kind, Date): EP 747832 A2 961211 (Basic)
EP 747832 A3 980401

APPLICATION (CC, No, Date): EP 96303660 960522;

PRIORITY (CC, No, Date): US 478058 950607

DESIGNATED STATES: DE; FR; GB; IT; SE

INTERNATIONAL PATENT CLASS: G06F-009/46

ABSTRACT EP 747832 A2

In summary, the present invention is a distributed computer system having a plurality of end user terminals and a plurality of loosely coupled server computers that share no resources with each other. A multiplicity of user application processes are distributed over the server computers. A communication interface or router transmits data between the end user terminals and a transaction router process, which executes on one of the server computers. The transaction router process initiates execution of transactions by ones of the user application processes based on data received from the end user terminals. A link manager process selects application processes to execute the applications based on computational load distribution criteria, so as to distribute computational load as evenly as possible over the server computers, thereby maximizing the throughput and responsiveness of the system. A file system, located on at least one of said server computers, provides access to stored files and database tables to all of the user application processes without regard to which server computer each such user application processes is executed on. The transaction router process includes a data structure for indicating transactions waiting to start and for initiating execution of ones of the waiting transactions by ones of the user application processes when associated start criteria are satisfied and user transaction processes are available. (see image in original document)

ABSTRACT WORD COUNT: 249

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 961211 A2 Published application (A1with Search Report
;A2without Search Report)

Change: 980325 A2 International patent classification (change)

Search Report: 980401 A3 Separate publication of the European or
International search report

Withdrawal: 990616 A2 Date on which the European patent application
was deemed to be withdrawn: 981002
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	1055
SPEC A	(English)	EPAB96	7261
Total word count - document A			8316
Total word count - document B			0
Total word count - documents A + B			8316

11/5/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00804163

**Customer information control system and method with temporary storage
queuing functions in a loosely coupled parallel processing environment**
CICS-System und Verfahren mit Wartereihefunktionen für temporären Speicher
in einer lose gekoppelten Parallelverarbeitungsumgebung
Systeme et methode CICS avec des fonctions de file d'attente pour la
memoire temporaire dans un environnement de traitement parallele a
couplage lache

PATENT ASSIGNEE:

TANDEM COMPUTERS INCORPORATED, (524035), 10435 N. Tantau Avenue,
Cupertino, CA 95014-3548, (US), (Applicant designated States: all)

INVENTOR:

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Hotea, Andreas E., 900 Pepper Tree Lane, Apt. 725, Santa Clara,
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PATENT (CC, No, Kind, Date): EP 747813 A2 961211 (Basic)
EP 747813 A3 020123

APPLICATION (CC, No, Date): EP 96303649 960522;

PRIORITY (CC, No, Date): US 478057 950607

DESIGNATED STATES: DE; FR; GB; IT; SE

INTERNATIONAL PATENT CLASS: G06F-009/46

ABSTRACT EP 747813 A2

The present invention is a distributed computer system having a plurality of end user terminals and a plurality of loosely coupled server computers that share no resources with each other. A multiplicity of user application processes are distributed over the server computers. A temporary storage file is stored on a first one of the server computers, for temporarily storing queues of data records. Each user application process responds to execution of a WriteQ TS instruction specifying data to be stored in a specified temporary storage queue by generating and storing at least one TS data record in the temporary storage file representing the specified data. Each TS data record has a primary key indicating the record's position in the specified temporary storage queue. Each TS data record is stored in the same temporary storage file on the first server computer regardless of which server computer executes the WriteQ TS instruction. Each user application process also responds to execution of a ReadQ TS instruction specifying a temporary storage queue from which data is to be retrieved, by reading at least one TS data record from the temporary storage file.

ABSTRACT WORD COUNT: 210

NOTE:

Figure number on first page: NONE

LEGAL STATUS (Type, Pub Date, Kind, Text):

Search Report: 020123 A3 Separate publication of the search report
Application: 961211 A2 Published application (A1with Search Report
;A2without Search Report)

Withdrawal: 030423 A2 Date application deemed withdrawn: 20020723

LANGUAGE (Publication,Procedural,Application): English; English; English.

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	991
SPEC A	(English)	EPAB96	7318
Total word count - document A			8309
Total word count - document B			0
Total word count - documents A + B			8309

11/5/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00804162

Customer information control system and method with API start and cancel transaction functions in a loosely coupled parallel processing environment

CICS-System und Verfahren mit API Funktionen zum Starten und Annullieren von Transaktionen in einer lose gekoppelten Parallelverarbeitungsumgebung

Systeme et methode CICS avec des fonctions API pour demarrer et annuler des transactions dans un environnement de traitement parallele a couplage lache

PATENT ASSIGNEE:

TANDEM COMPUTERS INCORPORATED, (524035), 10435 N. Tantau Avenue,
Cupertino, CA 95014-3548, (US), (applicant designated states:
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INVENTOR:

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De Roo, John S., 900 Pepper Tree Lane, Apt. 725, Santa Clara, California
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Phillips, Mark, 4136 Lemoyne Way, Campbell, California 95008, (US)
Velasco, David, 1370 Hacienda Court, Campbell, California 95008, (US)

LEGAL REPRESENTATIVE:

Cross, Rupert Edward Blount et al (42891), BOULT WADE TENNANT 27 Farnival
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PATENT (CC, No, Kind, Date): EP 747812 A2 961211 (Basic)
EP 747812 A3 980325

APPLICATION (CC, No, Date): EP 96303648 960522;

PRIORITY (CC, No, Date): US 479702 950607

DESIGNATED STATES: DE; FR; GB; IT; SE

INTERNATIONAL PATENT CLASS: G06F-009/46;

ABSTRACT EP 747812 A2

The present invention is a distributed computer system having a plurality of end user terminals and a plurality of loosely coupled server computers that share no resources with each other. A multiplicity of user application processes are distributed over the server computers. A transaction start table, stored on a first one of the server computers, stores transaction start data representing transactions whose execution has been requested by other transactions being executed by the user application processes. The transaction start data indicates a start condition for each transaction whose execution has been requested. For most requested transactions the start condition is a time value indicating an earliest time at which the requested transaction's

execution should be started. When any of the user application processes executes a Start transaction function, a transaction start record is generated and stored in the transaction start table. The transaction start record is stored in the same transaction start table on the first server computer regardless of which server computer executes the Start transaction function. A transaction start process evaluates the start condition for each transaction whose execution has been requested. When the start condition for a requested transaction is satisfied, the transaction start process initiates execution of that requested transaction.

ABSTRACT WORD COUNT: 229

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 961211 A2 Published application (A1with Search Report
;A2without Search Report)
Search Report: 980325 A3 Separate publication of the European or
International search report
Withdrawal: 990623 A2 Date on which the European patent application
was deemed to be withdrawn: 981201

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	844
SPEC A	(English)	EPAB96	7319
Total word count - document A			8163
Total word count - document B			0
Total word count - documents A + B			8163

11/5/6 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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Wrong
date

01079467 **Image available**

**METHOD AND APPARATUS FOR MANAGING FINANCIAL TRANSACTIONS INVOLVING MULTIPLE
COUNTERPARTIES AND PROCESSING DATA PERTAINING THERETO
PROCEDE ET APPAREIL DE GESTION DE TRANSACTIONS FINANCIERES IMPLIQUANT
PLUSIEURS CONTREPARTIES ET TRAITEMENT DES DONNEES CONCERNANT CES
TRANSACTIONS**

Patent Applicant/Assignee:

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US (Residence), US (Nationality)

Inventor(s):

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WRIGHT David, 320 E. 46th Street, Apt. 8-E, New York, NY 10017, US,
HASENFUS Paul, 83-57 118th Street, #6B, Kew Gardens, NY 11415, US,

Legal Representative:

WHITE Grady L (agent), LAW OFFICES OF GRADY L. WHITE, LLC, 7272 Wisconsin
Avenue, Suite 300, Bethesda, MD 20814, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200401533 A2-A3 20031231 (WO 0401533)

Application: WO 2003US18948 20030618 (PCT/WO US03018948)

Priority Application: US 2002389481 20020619; US 2002395348 20020712; US
2003461145 20030409

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE
SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 27205

English Abstract

Method and apparatus for managing financial transactions for multiple counter parties that allows traders, market makers, dealers, and prime brokers to negotiate with multiple liquidity providers simultaneously, and to receive and respond to transaction processing directives and settlement instructions in real time (100). The invention, which may be accessed over an interconnected data communications network (160), such as the Internet, using a standard Web browser, as well as via a proprietary user interface, automatically provides customers, traders, executing banks, funding banks, prime brokers and liquidity providers with up-to-date settlement and allocation details for previously-executed financial transactions as they are received (110).

French Abstract

L'invention concerne un procede et un appareil de gestion de transactions financieres impliquant plusieurs contreparties, permettant a des negociants, a des decideurs de marche, a des agents de contrepartie, et a des courtiers de negocier simultanement avec plusieurs fournisseurs de liquidites, et de recevoir et de repondre a des directives de traitement

et a des instructions d'etablissement de transaction en temps reel.
L'invention, a laquelle on peut acceder par un reseau de communications de donnees interconnecte, tel que l'Internet, au moyen d'un navigateur Web standard, ainsi que via une interface utilisateur proprietaire, met automatiquement, des reception, a disposition des clients, des agents de contrepartie, des banques executantes, des banques de financement, des courtiers et des fournisseurs de liquidite les details d'attribution et de reglement a jour de transactions financieres prealablement realisees.

Legal Status (Type, Date, Text)

Publication 20031231 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20040715 Late publication of international search report
Republication 20040715 A3 With international search report.
Republication 20040715 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

11/5/7 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01070728 **Image available**

WEB BASED METHOD AND SYSTEM FOR MANAGING AND TRANSFERRING REAL ESTATE INFORMATION

PROCEDE ET SYSTEME POUR GERER ET TRANSFERER SUR LE WEB DES INFORMATIONS DE BIENS IMMOBILIERS

Patent Applicant/Assignee:

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US)

Patent Applicant/Inventor:

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Legal Representative:

FLESHNER Mark L (et al) (agent), Fleshner & Kim, LLP, P.O. Box 221200,
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Patent and Priority Information (Country, Number, Date):

Patent: WO 2003100692 A1 20031204 (WO 03100692)
Application: WO 2003US15840 20030521 (PCT/WO US0315840)
Priority Application: US 2002382387 20020523; US 2002310981 20021206; US
2002310982 20021206; US 2002310976 20021206; US 2002310979 20021206; US
2003336036 20030103

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE
SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 11720

English Abstract

In the real estate business, in order to keep track of the activities involved in selling, buying, or leasing a property, a real estate information managing and transferring system and method have been developed. In an embodiment of a real estate transaction system (110) of the invention, several modules have been communicatively coupled to provide a complete and reliable system of tracking buyers' and sellers' activities and keeping a Realtor (120) informed and prepared at all times. The real estate managing and transferring system can be made accessible by users, such as Realtors (120), and can include a host server (150) with communicatively adapted parts to manage and transfer real estate information.

French Abstract

La presente invention concerne un systeme et un procede pour gerer et transferer des informations de biens immobiliers, dans le cadre de

11/5/8 (Item 8 from file: 349)
DIALOG(R) File 349: PCT FULLTEXT
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00963611 **Image available**
**EXTENDED WEB ENABLED MULTI-FEATURED BUSINESS TO BUSINESS COMPUTER
SYSTEM**

**FOR RENTAL VEHICLE SERVICES
SYSTEME INFORMATIQUE INTERENTREPRISES A ELEMENTS MULTIPLES A ACCES
INTERNET**

POUR SERVICES DE LOCATION DE VEHICULES

Patent Applicant/Assignee:

THE CRAWFORD GROUP INC, 600 Corporate Park Drive, St. Louis, MO 63105,
US

, US (Residence), US (Nationality), (For all designated states
except:
US)

Patent Applicant/Inventor:

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DE VALLANCE Kimberly Ann, 2037 Silent Spring Drive, Maryland Heights,
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US)

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KLOPFENSTEIN Anita K, 433 Schwarz Road, O'Fallon, IL 62269, US, US

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Legal Representative:

HAFERKAMP Richard E (et al) (agent), Howell & Haferkamp, L.C., Suite
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200297700 A2 20021205 (WO 0297700)

Application: WO 2001US51431 20011019 (PCT/WO US0151431)

Priority Application: US 2000694050 20001020

Parent Application/Grant:

Related by Continuation to: US 2000694050 20001020 (CIP)

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ

EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
LR

LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI
SK

SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 237932

Google translation-Abstract

The presente invention relates to an information processing system of transaction between companies which in a mode of realization prefers east intends has to provide services of hiring of vehicles for users has request elevee comprising a gate of Internet network thanks to which the user has request elevee can acceder has a plurality of suppliers of services comprising a data-processing network of company integre for at least a supplier of services of hiring of vehicles. The data-processing network of supplier of services of hiring of vehicles east configures for the interconnection of a geographic plurality of branches of diversite, presentant the catalogue of their vehicles of hiring available and the programs with regard to them like for the management of all the data of transaction relating to its company. The gate of Internet network allows a connectivite and a transferabilite universal for an association of companies has several levels which regularly place requests elevees of purchase of hiring with its associates commercial and also the other suppliers of services which can or not have the same system and data-processing software of company integre. The use of the procede and the apparatus of the presente invention makes it possible to place, of great volumes of transactions of hiring, to control them, to modify them in the course of operation, and to conclude them with operations from financial accountancy and payment practically without human intervention.

11/5/9 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00257922

AUTOMATED ORDER AND DELIVERY SYSTEM
SYSTEME AUTOMATIQUE DE COMMANDE ET DE LIVRAISON

Patent Applicant/Assignee:

TANDY CORPORATION,

Inventor(s):

ROACH John V,

HOLLANDER Richard,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9406085 A1 19940317

Application: WO 93US8469 19930909 (PCT/WO US9308469)

Priority Application: US 92942946 19920910

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT AU BB BG BR CA CH CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG MN
MW NL NO NZ PL RO RU SD SE SK UA VN AT BE CH DE DK ES FR GB GR IE IT LU
MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: G06F-015/24

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 14483

English Abstract

A system for processing merchandise sale transactions for customers in a point of sale and warehouse facility. A main processor has a database for storing customer identification information and merchandise information and processes sale transaction records for customers. A point of sale system coupled to the processor has a controller and at least one pen-based computer in communication with the controller via RF transmissions. Program instructions respond to entry on the computer of a customer number and to entry of merchandise identification numbers to build a sale transaction record of selected items for purchase. The program instructions display item information and enable selection of items for addition to the sale transaction record, display delivery method instructions and enable their selection for addition to the sale transaction record, and transmit the transaction record to the processor to effectuate warehouse delivery of the selected items according to the selected delivery instructions. The system integrates point of sale and warehouse processing functions to enable delivery of merchandise to customers in the shortest possible time.

11/3,K/9 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00257922

AUTOMATED ORDER AND DELIVERY SYSTEM
SYSTEME AUTOMATIQUE DE COMMANDE ET DE LIVRAISON

Patent Applicant/Assignee:

TANDY CORPORATION,

Inventor(s):

ROACH John V,

HOLLANDER Richard,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9406085 A1 19940317

Application: WO 93US8469 19930909 (PCT/WO US9308469)

Priority Application: US 92942946 19920910

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG MN

MW NL NO NZ PL RO RU SD SE SK UA VN AT BE CH DE DK ES FR GB GR IE IT LU

MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 14483

Fulltext Availability:

Claims

Claim

... sale transaction record;
displaying merchandise delivery method information to
the customer for selecting delivery method **instructions** and
for **adding** said **instructions** to said sale **transaction record** ;
and
indicating acceptance of said sale transaction record by
the customer to effectuate warehouse delivery...

...sale transaction record;
displaying merchandise delivery method information to
the customer for selecting delivery method **instructions** and
for **adding** said **instructions** to said sale **transaction record** ;
indicating acceptance of said sale transaction record by
the customer to effectuate warehouse delivery of...sale transaction
record;
displaying merchandise delivery method information to
the customer for selecting delivery method **instructions** , said
instructions being **added** to said sale **transaction record** ;
indicating acceptance of said sale transaction record by
the customer to effectuate warehouse delivery of...

18/5/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01938834

Distributing membership information for multi-party application layer sessions

Verteilung von Mitgliedschaftsinformationen für Mehrfachteilnehmersitzungen auf der Applikationsebene

Distribution d'information d'appartenance pour des couches de sessions d'applications multi-parties

PATENT ASSIGNEE:

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 1562351 A2 050810 (Basic)

APPLICATION (CC, No, Date): EP 2005010248 040415;

PRIORITY (CC, No, Date): US 420986 030422

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; HR; LV; MK

RELATED PARENT NUMBER(S) - PN (AN):

EP 1471711 (EP 2004009009)

INTERNATIONAL PATENT CLASS: H04L-029/08; H04L-029/06; H04L-029/14

ABSTRACT EP 1562351 A2

Membership information for participating computer systems participating in a multi-party conferencing session is distributed by intermittently exchanging link databases with one or more neighbor computer systems. A link database includes one or more link state records, each link state record identifying a participating computer systems and a list of neighbor computer systems that are logically linked to the participating computer system. When a new computer system joins or a participating computer system leaves the multi-party session this joining or leaving change is reflected in the link databases of corresponding neighbor computer systems. As the neighbor computer systems exchange link databases, the change is eventually propagated to all the participating computer systems. Accordingly, participant computer systems continually transition towards a steady state where each participant computer system is aware of other participant computer systems and logical links associated with other participant computer systems.

ABSTRACT WORD COUNT: 143

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 050810 A2 Published application without search report

Examination: 050810 A2 Date of request for examination: 20050511

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200532	1149
SPEC A	(English)	200532	10930
Total word count - document A			12079
Total word count - document B			0
Total word count - documents A + B			12079

18/5/12 (Item 12 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00897988

**INTEGRATED SYSTEM MONITORING USE OF MATERIALS, CONTROLLING AND MONITORING
DELIVERY OF MATERIALS AND PROVIDING AUTOMATED BILLING OF DELIVERED
MATERIALS**

**INTEGRIERTES SYSTEM ZUM UBERWACHEN DER VERWENDUNG VON MATERIALIEN ZUM
STEUERN UND UBERWACHEN DER LIEFERUNG VON MATERIALIEN UND ZUM HERSTELLEN
DER AUTOMATISCHEN ABRECHNUNG DER GELIEFERTEN MATERIALIEN**

**CONTROLE PAR SYSTEME INTEGRE DE L'UTILISATION DE MATIERES PREMIERES,
COMMANDE ET CONTROLE DE LA LIVRAISON DES MATIERES PREMIERES ET
FACTURATION AUTOMATISEE DES MATIERES PREMIERES LIVREES**

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 895626 A1 990210 (Basic)
EP 895626 B1 011004
WO 9740459 971030

APPLICATION (CC, No, Date): EP 97906918 970218; WO 97US2381 970218

PRIORITY (CC, No, Date): US 636289 960423

DESIGNATED STATES: BE; DE; DK; ES; FR; GB; IE; IT; LU; MC; NL; PT

INTERNATIONAL PATENT CLASS: G06F-017/60; G08G-001/127

CITED PATENTS (EP B): WO 90/04834 A; DE 19517882 A; US 5154314 A

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 001227 A1 Date of dispatch of the first examination
report: 20001110

Application: 980121 A1 International application (Art. 158(1))

Lapse: 040922 B1 Date of lapse of European Patent in a
contracting state (Country, date): LU
20020218,

Grant: 011004 B1 Granted patent

Oppn None: 020925 B1 No opposition filed: 20020705

Application: 990210 A1 Published application (A1with Search Report
;A2without Search Report)

Examination: 990210 A1 Date of filing of request for examination:
981028

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200140	1090
CLAIMS B	(German)	200140	974
CLAIMS B	(French)	200140	1194
SPEC B	(English)	200140	4672
Total word count - document A			0
Total word count - document B			7930
Total word count - documents A + B			7930

18/3,K/24 (Item 24 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00905320 **Image available**

**USING DIGITAL SIGNATURES TO VALIDATE TRADING AND STREAMLINE SETTLEMENT OF
FINANCIAL TRANSACTION WORKFLOW**

**UTILISATION DE SIGNATURES NUMERIQUES POUR VALIDER LA NEGOCIATION ET LE
REGLEMENT ACCELERE DE FLUX DE TRANSACTIONS FINANCIERES**

Patent Applicant/Assignee:

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Inventor(s):

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STRELLIS Eric, 1107 Ordway St., Albany, CA 94706, US,

Legal Representative:

PARK Richard (agent), Park, Vaughan & Fleming LLP, 508 2nd Street, Suite
201, Davis, CA 95616, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200239401 A2-A3 20020516 (WO 0239401)

Application: WO 2001US31643 20011009 (PCT/WO US01031643)

Priority Application: US 2000712763 20001113

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 9452

Fulltext Availability:

Detailed Description

Detailed Description

... whether the quote they made was selected.

In one embodiment of the present invention, the **system** receives a trade record from a first settlement clerk associated with the quote requester. This **record** includes settlement **instructions appended** to the trade **record** by the first settlement clerk. Upon receiving the trade record, the **system** looks up permission information for the first settlement clerk in a database, and then augments...

18/3,K/26 (Item 26 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00864395

**AN ELECTRONIC PROCUREMENT SYSTEM AND METHOD
SYSTEME ET PROCEDE D'APPROVISIONNEMENT ELECTRONIQUE**

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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(Residence), IE (Nationality), (Designated only for: US)

Legal Representative:

BOYCE Conor (agent), F.R. Kelly & Co., 27 Clyde Road, Ballsbridge, Dublin
4, IE,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200197109 A2 20011220 (WO 0197109)

Application: WO 2001IE80 20010612 (PCT/WO IE0100080)

Priority Application: IE 2000487 20000615

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 9303

Fulltext Availability:

Detailed Description

Detailed Description

... may be taken on a cancelled payment instruction.

2 0 Figure 12 shows the approval **process** for the payment instruction in
the purchasing organisation in greater detail.

If the payment instruction requires explicit authorisation (1 2. 1) then
the payment **instruction** data **record** is **added** to the appropriate
authorisation workflow (12.2).

2 5 When an individual with the appropriate level of access to authorise
the payment instruction logs into the integrated EP **system** (12.3), he
can browse a list of payment instruction awaiting approval (12.4). This

...

...actions update the payment instruction data record in the integrated EP
system. In addition, the **systems** that 3 0 comprise the integrated EP
system use the business rules for the organisation to determine whether
further authorisation (1 2. 1) is required and if so the payment
instruction data **record** is **added** with the appropriate authorisation
workflow (12.2).

When an invoice or payment is authorised or declined, the integrated EP
system may create a notification (12.7) for the attention of the
Accounts Payable department.

This...

18/3,K/27 (Item 27 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00850631 **Image available**

INTERNATIONAL PAYMENT SYSTEM AND METHOD
SYSTEME ET PROCEDE INTERNATIONAUX DE PAIEMENT

Patent Applicant/Assignee:

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(Nationality)

Inventor(s):

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Legal Representative:

OSTROW Seth H (agent), Brown Raysman Millstein Felder & Steiner LLP, 900
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200184276 A2-A3 20011108 (WO 0184276)

Application: WO 2001US14060 20010501 (PCT/WO US0114060)

Priority Application: US 2000201025 20000501

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7605

Fulltext Availability:

Detailed Description

Detailed Description.

... triggered to execute on a specific date or may include regularly
scheduled payment transfers.

The **system** provides automated **links** to enable payment **instruction**
processing by banks that hold **accounts** within the **system**. Accounts
within the **system** that are located in remote locations or at other
institutions are also called Nostro accounts.

It should also be noted that the present **system** may also be used as a
link in a correspondent system and not just as.

18/3,K/29 (Item 29 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00843139

METHOD AND SYSTEM FOR MEASURING TRADE MANAGEMENT PERFORMANCE
PROCEDE ET SYSTEME DE MESURE DE PERFORMANCE DE GESTION COMMERCIALE

Patent Applicant/Assignee:

OMGEO LLC, 22 Thomson Place, Boston, MA 02210, US, US (Residence), US
(Nationality)

Inventor(s):

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WALSH Christopher J, 51 Round Hill Road, Kingston, MA, US,
LYNCH Lucy A, 27 St. Mary's Court, Brookline, MA, US,

Legal Representative:

CROSBY David F (agent), Mintz, Levin, Cohn, Ferris, Glovsky and Popeo PC,
One Financial Center, Boston, MA 02111, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200175730 A2 20011011 (WO 0175730)

Application: WO 2001US10266 20010330 (PCT/WO US0110266)

Priority Application: US 2000540648 20000331

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7975

Fulltext Availability:

Detailed Description

Detailed Description

... between the orderer system 120 and broker/dealer system 110.

For example, the trade management **system** 130 can receive the trade details and allocation instructions 146 and can cross-reference broker internal account numbers (BIAs) from the orderer (investment manager) internal **account** numbers provided in the allocation **instructions** 146 and **append** the BIAs to the trade details and allocation instruction communication 146 to form communication 148 that is transmitted to the broker/dealer **system** 110. In response to the trade details and allocation instruction communication 148 received from...orderer system 220 transmits an acceptance and allocation instruction communication 248 to the broker/dealer **system** 210. The trade management **system** 230 can receive the acceptance and allocation instruction communication 248 and can cross-reference information from the acceptance and allocation **instruction** communication 248 and **append** the orderer Investment **Account** Instructions (IAIs) and Broker Internal Account numbers (BIAs) to the acceptance and allocation instruction communication...

18/3,K/31 (Item 31 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00830832

**COMPUTERIZED AND NETWORKED DISTRIBUTION SYSTEM
SYSTEME DE DISTRIBUTION AUTOMATISE EN RESEAU**

Patent Applicant/Inventor:

SHYAMSUNDAR Bhaskara, 109, 10082, 132 St., Surrey, British Columbia V3T
5V3, CA, CA (Residence), IN (Nationality)

Patent and Priority Information (Country, Number, Date):

Patent: WO 200163494 A2 20010830 (WO 0163494)

Application: WO 2001CA191 20010221 (PCT/WO CA0100191)

Priority Application: CA 2300440 20000225

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8881

Fulltext Availability:

Detailed Description

Detailed Description

... link between the locker and the commodity or container being deposited
within said locker. Said **process** and program **instructions** will also
link the said unique **record** of the link to related, previously
recorded transactions and to records stored in integrated or associated
programs for the purpose of creating new
records

b) A **process** and program **instructions** to **link** the user using
identification input using COMPONENT 9 to the lockers or defined
locations containing...

18/3,K/32 (Item 32 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00807788 **Image available**

METHOD AND SYSTEM FOR PROCESSING RECORDS IN A COMMUNICATIONS SYSTEM
PROCEDE ET SYSTEME DE TRAITEMENT D'ENREGISTREMENTS DANS UN SYSTEME DE
COMMUNICATIONS

Patent Applicant/Assignee:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200141407 A1 20010607 (WO 0141407)

Application: WO 2000US32846 20001204 (PCT/WO US0032846)

Priority Application: US 99169043 19991204; US 99464647 19991215

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12642

Fulltext Availability:

Claims

Claim

... from code-lets and controls how interpretables are sent to record
processors.

38.Amethodformanagingthedistributionofinstructionstorecordprocessorsfroma
communications **system** that generates service processing event **records**
, comprising the steps of: **adding instructions** to a service
processing event **record** to form an interpretable file; identifying
which of the instructions are to be retained by...

20/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00897988

**INTEGRATED SYSTEM MONITORING USE OF MATERIALS, CONTROLLING AND MONITORING
DELIVERY OF MATERIALS AND PROVIDING AUTOMATED BILLING OF DELIVERED
MATERIALS**

**INTEGRIERTES SYSTEM ZUM UBERWACHEN DER VERWENDUNG VON MATERIALIEN ZUM
STEUERN UND UBERWACHEN DER LIEFERUNG VON MATERIALIEN UND ZUM HERSTELLEN
DER AUTOMATISCHEN ABRECHNUNG DER GELIEFERTEN MATERIALIEN**

**CONTROLE PAR SYSTEME INTEGRE DE L'UTILISATION DE MATIERES PREMIERES,
COMMANDE ET CONTROLE DE LA LIVRAISON DES MATIERES PREMIERES ET
FACTURATION AUTOMATISEE DES MATIERES PREMIERES LIVREES**

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 895626 A1 990210 (Basic)
EP 895626 B1 011004
WO 9740459 971030

APPLICATION (CC, No, Date): EP 97906918 970218; WO 97US2381 970218

PRIORITY (CC, No, Date): US 636289 960423

DESIGNATED STATES: BE; DE; DK; ES; FR; GB; IE; IT; LU; MC; NL; PT

INTERNATIONAL PATENT CLASS: G06F-017/60; G08G-001/127

CITED PATENTS (EP B): WO 90/04834 A; DE 19517882 A; US 5154314 A

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 001227 A1 Date of dispatch of the first examination
report: 20001110
Application: 980121 A1 International application (Art. 158(1))
Lapse: 040922 B1 Date of lapse of European Patent in a
contracting state (Country, date): LU
20020218,
Grant: 011004 B1 Granted patent
Oppn None: 020925 B1 No opposition filed: 20020705
Application: 990210 A1 Published application (A1with Search Report
;A2without Search Report)
Examination: 990210 A1 Date of filing of request for examination:
981028

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200140	1090
CLAIMS B	(German)	200140	974
CLAIMS B	(French)	200140	1194
SPEC B	(English)	200140	4672
Total word count - document A			0
Total word count - document B			7930
Total word count - documents A + B			7930

...SPECIFICATION hydroxy analogue and ethoxyquin, and will generate
inventory levels as shown in Figure 5.

Billing instructions 222 link the system to the accounts

receivable of the supplier. This allows the supplier to consider **customer** credit when making deliveries. For example, what effect would a delivery to a particular **customer** have on the credit status of the particular customer? If a delivery would cause the...

29/5,K/6 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01170548 **Image available**

MONEY TRANSFER CONVENIENCE CARD, SYSTEMS AND METHODS

CARTE PRATIQUE DE TRANSFERT D'ARGENT, SYSTEMES ET PROCEDES ASSOCIES

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200492923 A2-A3 20041028 (WO 0492923)

Application: WO 2004US9691 20040329 (PCT/WO US04009691)

Priority Application: US 2003461869 20030408; US 2003687575 20031015

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 16755

English Abstract

Embodiments of the invention provide money transfer convenience cards and methods and systems for using them. Such embodiments can be used in a relationship between a customer, and transaction provider and a service provider. The transaction provider can provide money transfer services for the customer, and the customer can have an account associated with a convenience card. Embodiments of the invention can be used with a variety of service providers. Merely by way of example, in accordance with some embodiments, the service provider can be a merchant or the product can be a tangible good. In accordance with other embodiments, the service provider may be a plurality of service providers, each providing similar and/or different services. In accordance with other embodiments, the service provider can be a telecommunication service provider and/or the product can be a telecommunication service. Thus, in some cases, the award credited to the customer's account by the transaction provider control can comprise sufficient credit to allow the customer to place a telephone call of a certain duration from the transaction's origination location to its destination location.

French Abstract

Des modes de realisation de la presente invention concernant des cartes pratiques de transfert d'argent, ainsi que des procedes et des systemes

pour les utiliser. Ces modes de realisation peuvent etre mis en oeuvre entre un client, un prestataire de transaction et un fournisseur de services. Le prestataire de transaction peut fournir des services de transfert d'argent au client, et le client peut disposer d'un compte associe a la carte pratique. Ces modes de realisation peuvent etre mis en oeuvre aupres de divers fournisseurs de services. Le fournisseur de services peut etre, par exemple, un commerçant ou le produit peut etre un bien tangible. Dans d'autres modes de realisation, le fournisseur de services peut etre une pluralite de fournisseurs de services, chacun fournissant des services identiques et/ou differents. Dans d'autre modes de realisation encore, le fournisseur de services peut etre un fournisseur de services de telecommunications et/ou le produit peut etre un service de telecommunications. Dans certains cas, la prime creditée sur le compte du client par le dispositif de commande du prestataire de transaction peut comprendre un credit suffisant pour permettre au client d'effectuer un appel telephonique d'une certaine duree du lieu d'origine de la transaction a son lieu de destination.

Legal Status (Type, Date, Text)

Publication 20041028 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20050127 Late publication of international search report
Republication 20050127 A3 With international search report.
Republication 20050127 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:

Detailed Description

Detailed Description

... recharge credit amount and the convenience card number. Additional data fields passed may include PIN, **merchant** ID, and the like. In accordance with some embodiments, cards may be activated without adding any credit to the card. In other embodiments, a separate **process** may be implemented to **add**

9

more credit onto the **customer** 's convenience card **account** . If a card becomes lost, the customer can call a designated number (or be directed

...

29/5,K/7 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01146355 **Image available**

SYSTEM AND METHOD FOR ONLINE COMMERCE
SYSTEME ET PROCEDE DE COMMERCE EN LIGNE

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MARGON Kenneth, 5100 McDonnell Avenue, Oakland, CA 94619, US, US
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Legal Representative:

CODDINGTON Trevor Q (et al) (agent), Hunton & Williams, LLP, Intellectual
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200468296 A2-A3 20040812 (WO 0468296)
Application: WO 2004US1897 20040126 (PCT/WO US04001897)
Priority Application: US 2003442128 20030124

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description
Claims

Fulltext Word Count: 9546

English Abstract

The invention provides a secure online payment method and system. In an embodiment of the invention, a transaction system (100) facilitates online purchase of merchant items by customers and to have those purchased items billed, i.e., debited, to a telephone account. Particularly, the system comprises a number of customer web access devices, a TCP/IP communications network, a number of merchant computers (130), a centralized payment server (140), and a number of telecommunication company (TELCO) (150) networks. Communications are bridged between the TCP/IP network and the number of TELCO (150) networks implementing, for example a common channel signaling (CCS) based protocol, such as signaling system 7 (SS7).

French Abstract

L'invention concerne un procede et un systeme de paiement en ligne securise. Dans un mode de realisation de l'invention, un systeme de transaction facilite l'achat en ligne d'objets de commercants par des clients et la facturation de ces objets achetes, par exemple, par debit,

sur un compte du telephone. Plus precisement, le systeme comprend un certain nombre de dispositifs d'accès au web de clients, un reseau de communications TCP/IP, un certain nombre d'ordinateurs de commercants, un serveur de paiement centralise et un certain nombre de reseaux de societes de telecommunication (TELCO). Les communications sont pontees entre le reseau TCP/IP et les reseaux TELCO mettant en oeuvre, par exemple, un protocole fonde sur la signalisation par canal semaphore (CCS), tel qu'un systeme de signalisation 7 (SS7).

Legal Status (Type, Date, Text)

Publication 20040812 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20041223 Late publication of international search report
Republication 20041223 A3 With international search report.
Republication 20041223 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:

Detailed Description

Detailed Description

... computer 130A whether the purchase is authorized. If TELCO 340 authorizes the purchase (step 416), **merchant** computer 130A allows (step 424) the consumer to purchase the item. **Merchant** computer 130A then notifies authentication server 348 of the completed transaction. In turn, authentication **server** 348 signals **transaction server** 344 to **record transaction** information comprising consumer **account** 312 via TCP/IP **link** 356 and **record** transaction information comprising consumer infon-nation, **merchant** infon-nation, transaction number, amount, product description, date & time, or any combination thereof in a...

29/5,K/8 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01104210 **Image available**

AN INTEGRATED MERCHANT TO CUSTOMER VALUE ADDED PROCESSING SYSTEM
SYSTEME INTEGRE DE TRAITEMENT DE LA VALEUR AJOUTE DANS DES ECHANGES ENTRE
VENDEUR ET CLIENT

Patent Applicant/Assignee:

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South Wales 2000, AU, AU (Residence), AU (Nationality), (Designated
only for: US)
DEFINA Gregory, 162 Mount Hay Road, Leura, New South Wales 2780, AU, AU
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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200427659 A1 20040401 (WO 0427659)
Application: WO 2003AU1226 20030918 (PCT/WO AU03001226)
Priority Application: AU 2002951457 20020918

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

International Patent Class: G07F-019/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7185

English Abstract

An integrated merchant to customer value added processing system for
providing integrated financial EFTPOS transactions and effective
integrated, parallel processing of a customer relationship management
tool (CRMT) value added transaction data processing system (12).
Transaction data is inputted. A first session is opened and a first set
of data is transferred to a host and the session is closed and a value
added application is initiated. Outputs are stored and a second session
is opened. A financial EFTPOS transmission is initiated and the session
remains open until an output response is received. An EFTPOS receipt is
generated and a third session is opened and the output from the second
session is transmitted and a selection is made from value added options.
The host customer account and merchant account is updated and a value

added option output is generated.

French Abstract

L'invention porte sur un systeme integre de traitement de la valeur ajoute relative a des echanges entre vendeur et client, effectuant des transactions financieres integrees EFTPOS et une gestion integree efficace en parallele du systeme (12) de traitement CRMT (outil de gestion des relations client) des donnees d'etablissement de la valeur ajoutee). A cet effet: on introduit les donnees de la transaction, puis on ouvre une premiere session, puis on transfere un premier groupe de donnees sur un hote, puis on ferme la session, puis on lance l'application <=valeur ajoutee>=, puis on stocke les resultats, puis on ouvre une deuxieme session, puis on lance la transaction financiere EFTPOS, et la session reste ouverte jusqu'a la reception en reponse d'un resultat. Un reçu étant produit, on ouvre une troisieme session, tandis que le resultat de la deuxieme session est transmis, puis on opere une selection parmi les options de valeur ajoutee. Le compte du client hote et le compte du vendeur sont alors mis a jour et le montant de la valeur ajoutee est calcule.

Legal Status (Type, Date, Text)

Publication 20040401 A1 With international search report.

Fulltext Availability:

Claims

Claim

... output options from
the temporary register and closing the session,
(g) updating the CRMT Host **customer account** and
merchant account ,
(h) generating value **added** output options.

2 The **system** of claim 1 wherein the value added output from the
3 0 temporary register is dependent on transactional data, customer
account data and **merchant** account data.

3 The system of claim 2 wherein the customer data is identified by...

29/5,K/11 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01025695

GLOBAL INTEGRATED PAYMENT SYSTEM
SYSTEME DE PAIEMENT INTEGRE MONDIAL

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200354819 A2 20030703 (WO 0354819)

Application: WO 2002CA1910 20021212 (PCT/WO CA0201910)

Priority Application: US 2001339302 20011212

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG
SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SI SK
TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G07F-019/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 10137

English Abstract

French Abstract

Legal Status (Type, Date, Text)

Publication 20030703 A2 Without international search report and to be
republished upon receipt of that report.

Declaration 20031127 Late publication under Article 17.2a

Republication 20031127 A2 With declaration under Article 17(2)(a); without
abstract; title not checked by the International
Searching Authority.

Fulltext Availability:

Detailed Description

Detailed Description

... end date, frequency and can include Level 2 tax data.

[000451 PayGateway Recurring Billerrm allows **merchants** to automatically

charge their customers pre-authorized credit cards on a monthly recurring basis. Through the userfriendly web interface of the PayGateway Recurring BillerTm, **merchants** 22 can easily **add** , modify, pause or delete **customer accounts** to be charged on a certain day each month. The **system** 50 then automatically processes credit card transactions on their scheduled dates saving **merchants** valuable time. PayGateway Recurring BillerTm allows **merchants** to streamline their billing processes by allowing them to automatically charge credit cards on a...

29/5,K/13 (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00969576 **Image available**

METHOD AND SYSTEM FOR SECURE CREDIT CARD TRANSACTIONS

PROCEDE ET SYSTEME PERMETTANT DES TRANSACTIONS SURES PAR CARTE DE CREDIT

Patent Applicant/Assignee:

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(Nationality)

Inventor(s):

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MILLIGAN Charles A, 14300 W. 50th Avenue, Golden, CO 80403, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 2002103642 A2-A3 20021227 (WO 02103642)
Application: WO 2001US19513 20010619 (PCT/WO US0119513)
Priority Application: WO 2001US19513 20010619

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G07F-007/10

International Patent Class: G07F-019/00; G07F-007/08

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8179

English Abstract

A customer making a credit card transaction inserts their smart card into a card reader attached to the merchant's system. The card reader activates the customer's card and passes certain merchant information. The merchant's system then requests a "billing digest" from the customer's card. The billing digest is returned to the merchant's card reader that forwards it (and the transaction information which includes customer information and merchant information) to the corresponding credit card issuer, which maintains the customer's credit card account. In one embodiment, the customer information and the merchant information are encrypted. Upon receiving the billing digest, transaction information is decrypted if necessary and the credit card issuer looks up the customer's master key using the customer's account number. The credit card issuer then uses the transaction information to re-compute the billing digest (an authentication billing digest) and compares this new value with the billing digest submitted by the merchant. If authentic, the billing digest and authentication billing digest values are equivalent, then funds are transferred and an acceptance notification is returned to the merchant. If not authentic, a denial notification is returned to the merchant. Security is further enhanced by utilizing a unique reference for each transaction in the unique customer information used for creating the billing digest.

French Abstract

Un client qui effectue une transaction par carte de credit introduit sa carte a puce dans un lecteur de carte fixe a un systeme de commerce. Ce lecteur de carte active la carte du client et passe certaines informations commerciales. Le systeme de commerce demande ensuite un <=resume de facturation>= issu de cette carte de client. Ce resume de facturation est retourne au lecteur de carte du commercant, lequel le fait suivre (ainsi que les informations de transaction qui comprennent les informations relatives au client et au commercant) a l'emetteur de cette carte de credit qui tient le compte de cette carte de credit de client. Dans un mode de realisation de l'invention, les informations relatives au client et les informations relatives au commercant sont cryptees. A reception du resume de facturation, les informations de transaction sont decryptees, le cas echeant, et l'emetteur de la carte de credit recherche la cle principale du client en utilisant le numero de compte de ce client. L'emetteur de la carte de credit utilise ensuite les informations de transaction pour recalculer le resume de facturation (un resume de facturation authentifie) et il compare cette nouvelle valeur avec le resume de facturation soumis par le commercant. S'il est authentique, le resume de facturation et l'authentification des valeurs de resume de facturation sont equivalents, les fonds sont transferees et une notification d'acceptation est retournee au commercant. S'il n'est pas authentique, une notification de refus est retournee au commercant. On renforce la securite en utilisant une reference unique pour chaque transaction dans les informations de client uniques utilisees pour creer ce resume de facturation.

Legal Status (Type, Date, Text)

Publication 20021227 A2 Without international search report and to be republished upon receipt of that report.

Search Rpt 20030313 Late publication of international search report

Republication 20030313 A3 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description

... card terminal 120 reads

the customer credit card account information and passes that information to **merchant** system 130. Card terminal 120 may be any commercially available terminal, such as the MagIC Range series of terminals available and trademarked by Schlumberger Ltd. **Merchant** system 130 then combines the **customer account** information with **merchant transaction** information (including time and date of the purchase, purchase amount, summary of the purchased items, the **merchant** 's identification number, the credit card number and the identity of the credit card issuer...

29/5,K/17 (Item 17 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00874781 **Image available**

ELECTRONIC SHOPPING MALL

CENTRE COMMERCIAL ELECTRONIQUE

Patent Applicant/Assignee:

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Juan, PR 00918, US,

ROSA Cesar, 252 Ponce de Leon Avenue, Citibank Tower, 16th floor, San
Juan, PR 00918, US,

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200208868 A2-A3 20020131 (WO 0208868)

Application: WO 2001US23756 20010726 (PCT/WO US0123756)

Priority Application: US 2000625725 20000726

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 17350

English Abstract

An electronic shopping mall includes a display (214) for showing a customer products offered by an on-line merchant (312). The customer makes a product selection (322) and is asked to guarantee payment for the order, including any associated tax and shipping charges. The electronic shopping mall also includes a cash acceptor (208). The customer may select a cash payment option (326) and deposit paper currency in the cash acceptor (208). The electronic shopping mall includes an automatic recognition circuit that authenticates and values such paper currency. When the customer deposits sufficient cash to pay for the order, the on-line merchant receives the order and proceeds to arrange shipping. The customer may also provide shipping information at the electronic shopping mall by way of keyboard entry (216) or by presenting an electronic access card. The electronic access card includes a unique customer identifier. The unique customer identifier is used to access a database (112) having the customer's shipping address. The database (112) also includes a record indicating any previous balance the customer may have accumulated.

French Abstract

La presente invention concerne un centre commercial electronique comprenant un ecran qui permet aux clients de voir les produits proposes par un vendeur en ligne. Une fois la selection de produits effectuee, le client est invite a garantir le paiement de sa commande, y compris des eventuelles taxes associees et des frais d'expedition. Par ailleurs, ce centre commercial electronique comprend un collecteur d'especes. Le client peut selectionner une option de paiement en especes et deposer ensuite un billet de banque dans le collecteur d'especes. Ce centre commercial electronique comprend egalement un circuit de reconnaissance automatique qui authentifie et evalue les billets de banque. Lorsque le client depose suffisamment de liquide pour payer sa commande, le vendeur en ligne recoit alors l'ordre et procede a l'expedition de la commande. Le client peut egalement fournir des informations d'expedition au centre commercial electronique via des saisies sur clavier ou en presentant une carte d'accès electronique. Cette carte d'accès electronique contient un identificateur de client unique, lequel est utilise pour acceder a une base de donnees contenant l'adresse d'expedition du client. Cette base de donnees comprend egalement un relevé indiquant l'ancien solde du client.

Legal Status (Type, Date, Text)

Publication 20020131 A2 Without international search report and to be republished upon receipt of that report.
 Search Rpt 20020411 Late publication of international search report
 Republication 20020411 A3 With international search report.
 Republication 20020411 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
 Examination 20020815 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... a unique identifier.

The unique identifier, the unique confirmation code, the amount deposited, the associated **merchant** code, transaction code and customer information are all transmitted as a record to both the **merchant server** and the transaction **server**. In response, the transaction **server** adds a **transaction record** that credits the respective customer account.

At step 1732, that record is also saved locally...to an order associated with the customer. When a customer completes an order, the associated **merchant server**, for example, **merchant server 2006** transmits an **order record** to **account server 2018**. ..Account **server 2018** adds this **order record** to a database entry associated with the customer.

This database entry resides in the customer...

29/5,K/18 (Item 18 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00826185 **Image available**

APPARATUS, SYSTEMS AND METHODS FOR WIRELESSLY TRANSACTING FINANCIAL TRANSFERS, ELECTRONICALLY RECORDABLE AUTHORIZATION TRANSFERS, AND OTHER INFORMATION TRANSFERS

APPAREIL, SYSTEMES ET PROCES PERMETTANT D'EFFECTUER DES TRANSFERTS DE FONDS SANS FIL, DES TRANSFERTS D'AUTORISATION ENREGISTRABLES ELECTRONIQUEMENT ET D'AUTRES TRANSFERTS D'INFORMATIONS

Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200159732 A2-A3 20010816 (WO 0159732)

Application: WO 2001US4258 20010209 (PCT/WO US0104258)

Priority Application: US 2000181600 20000210; US 2000187924 20000308; US 2000255980 20001215

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G07F-019/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 30850

English Abstract

The present invention provides apparatus, systems and methods to wirelessly pay for purchases, electronically interface with financial accounting systems, and electronically record and wirelessly communicate authorization transactions using Personal Digital Assistant ("PDA") (also referred to as Personal Intelligent Communicators (PICs), and Personal Communicators), palm computers, intelligent handheld cellular and other wireless telephones, and other personal handheld electronic devices configured with infrared or other short range data communications (for referential simplicity, such devices are referred to herein as "PDA's"). The present invention further provides apparatus, firmware, software programs and computer-implemented methods for making service and/or sale service charge payments for credit card charges, debit card charges, electronic cash transfers, ticket and other like financial transactions and for other types of transactions, such as for electronic coupons, where the amount of the transaction is for a small amount of money, such as, for example, less than \$5.00.

French Abstract

L'invention concerne un appareil, des systemes et des procedes permettant de payer sans fil des achats, de cooperer electroniquement avec des

systemes de comptabilite financiere, d'enregistrer electroniquement et de communiquer sans fil des transactions d'autorisation au moyen d'un assistant numerique personnel (PDA) (egalement appele communicateurs intelligents personnels -PIC- et communicateurs personnels), d'ordinateurs de poche, de telephones portatifs cellulaires intelligents et d'autres telephones sans fil, ainsi que d'autres dispositifs electroniques portatifs personnels permettant des communications de donnees a infrarouge ou d'autres communications a courte portee (pour simplifier, les dispositifs precites seront desormais appeles PDA). L'invention concerne egalement un appareil, des micrologiciels, des logiciels et des procedes informatises permettant d'effectuer des paiements de services et/ou de frais de services de vente correspondant a des frais de carte de credit, de carte de debit, des transferts electroniques de fonds, des transactions de tickets et autres transactions financieres, et a d'autres types de transaction, tels que des coupons electroniques, le montant de la transaction correspondant a une petite somme d'argent, moins de 5 USD par exemple.

Legal Status (Type, Date, Text)

Publication	20010816	A2 Without international search report and to be republished upon receipt of that report.
Examination	20020321	Request for preliminary examination prior to end of 19th month from priority date
Search Rpt	20020328	Late publication of international search report
Republication	20020328	A3 With international search report.
Search Rpt	20020328	Late publication of international search report
Correction	20021017	Corrected version of Pamphlet: pages 1/67-67/67, drawings, replaced by new pages 1/70-70/70; due to late transmittal by the receiving Office
Republication	20021017	A3 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description

... accepts the mewallet™ as a payment presentation system would have the option of establishing a **vendor** Microwallet™ 80 micropayment credit account 3202 as depicted in FIG. 34. This **vendor** Microwallet™ micropayment credit account 3202 would be utilized to **add** Microwallet™ credits to a **customer** 's Microwallet™ **account** 3201 (**server** side), and/or 3 1 01 (wireless handbeld client device). Using, for example, an online user interface with the mewallet™ server application 3404, the **vendor** would establish a **vendor** mewallet account 3519 (other), 3521 (mewallet).

Using, for example, an online user interface with the...

29/5,K/19 (Item 19 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00814145

A METHOD FOR EXECUTING A NETWORK-BASED CREDIT APPLICATION PROCESS
PROCEDE DE MISE EN OEUVRE D'UN PROCESSUS DE DEMANDE DE CREDIT EN RESEAU

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200146889 A2 20010628 (WO 0146889)

Application: WO 2000US35216 20001222 (PCT/WO US0035216)

Priority Application: US 99470805 19991222; US 99469525 19991222; US
99470039 19991222

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK DM DZ EE ES FI GB GE
GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

International Patent Class: G07F-019/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 98671

English Abstract

French Abstract

L'invention concerne un systeme, un procede et un article manufacture
s'utilisant pour un processus de demande de credit. Dans un premier
temps, une demande de credit emanant d'un acheteur utilisant un reseau
est recue. En reponse a cette demande de credit, la demande de credit est
envoyee a une banque par l'intermediaire du reseau, ce, afin d'evaluer le
credit dont dispose l'acheteur, sur la base de la demande de credit. Si
le credit est approuve, l'acheteur est accredite par attribution d'un
identificateur. Un mot de passe est ensuite produit pour l'acheteur.
L'identificateur et le mot de passe sont memorises dans la base de
donnees. Le mot de passe est ensuite envoye a l'acheteur a l'aide du
reseau. En application, l'acheteur doit utiliser le mot de passe pour
lancer des transactions sur le reseau. De plus, l'acheteur se voit
attribuer une carte portant l'identificateur..

Legal Status (Type, Date, Text)

Publication 20010628 A2 Without international search report and to be
republished upon receipt of that report.

Examination 20011018 Request for preliminary examination prior to end of

19th month from priority date
Declaration 20011122 Late publication under Article 17.2a
Republication 20011122 A2 With declaration under Article 17(2)(a); without
abstract; title not checked by the International
Searching Authority.

Fulltext Availability:
Detailed Description

Detailed Description

... importer and the exporter to set the terms of their contract and
control their own **transaction** .

Figure I is a general depiction of a VTrade envirom-nent 100 based on
Internet...

...transactions in the environment, and, particularly across the trade
platform 106 between buyers 108 and **sellers** 110. Also included is a
payment network 112.

Figure 2 is a diagram of the...

29/5,K/21 (Item 21 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00802570

PAYMENT METHOD AND SYSTEM FOR ONLINE COMMERCE
PROCEDE ET SYSTEME DE PAIEMENT DE COMMERCE EN LIGNE

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Legal Representative:

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N.W., Washington, DC 20036-5869, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200135570 A1 20010517 (WO 0135570)

Application: WO 2000US30427 20001106 (PCT/WO US0030427)

Priority Application: US 99434516 19991105

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-009/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 12496

English Abstract

The system of the present invention which creates a payment system for online commerce is implemented through client software on the computers of the system participants and a central transaction administration system. Each client software component interacts with the client software of other system participants and with the central transaction administration system. The transaction administration system receives transaction requests from each party to a transaction and compares the information received from each party to ensure that the transaction information received from each party matches, thereby authenticating the transaction.

French Abstract

L'invention concerne un systeme de paiement de commerce en ligne mis en application au moyen d'un logiciel client installe sur les ordinateurs des abonnes du systeme et d'un systeme central de gestion des transactions. Chaque logiciel client interagit avec le logiciel client d'autres abonnes du systeme et avec le systeme central de gestion des transactions. Le systeme de gestion des transactions recoit des demandes de transaction de chaque abonne concernant une transaction et compare les informations recues de chaque abonne afin de s'assurer que les informations recues de chaque abonne concernant la transaction correspondent bien, authentifiant ainsi la transaction.

Legal Status (Type, Date, Text)

Publication 20010517 A1 With international search report.

Examination 20010816 Request for preliminary examination prior to end of
19th month from priority date

Fulltext Availability:
Detailed Description

Detailed Description

... a network, either can act as buyer or seller. This enables individuals
to act as **sellers** , allowing for person to person electronic commerce.

In the system of the present invention, a credit or debit card account
number is not required. Instead, the transaction parties are directly
linked with the **transaction** administration **system** . The **accounts**
are established when the buyer and **merchant** register or enroll with the
transaction administration system. The system identifies the transaction
parties through...

29/5,K/22 (Item 22 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00779714 **Image available**

**METHOD FOR CONDUCTING FINANCIAL TRANSACTIONS OVER A WIDE AREA NETWORK
PROCEDE POUR MENER DES TRANSACTIONS FINANCIERS DANS UN RESEAU ETENDU**

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200113297 A2-A3 20010222 (WO 0113297)
Application: WO 2000US21686 20000808 (PCT/WO US0021686)
Priority Application: US 99374840 19990814

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

International Patent Class: G07F-007/10

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 11788

English Abstract

Information is purchased by a customer computer (18) using a browser (19) over a wide area network (16), such as the Internet, from a fee-based information page of an information provider server (10). The information is relayed between the fee-based information page and the customer computer (18) through a web relay server (26) without revealing the identity of the fee-based information page to the customer computer (18), and without revealing the identity of the customer computer (18) to the information provider server (10). Before the transaction can be completed, the customer computer (18), the information provider server (10), and the web relay server (26) must register with the transaction server (14), establishing accounts represented by data stored in a database (20) of the transaction server (14). An electronic funds transaction is accomplished by modifying this data. Alternately, a product may be purchased from a vendor server (10, 154) without using the web relay server (26).

French Abstract

Selon l'invention, un client (18) achete des informations au moyen d'un navigateur (19) a travers un reseau etendu tel que l'Internet aupres d'une page d'informations payante d'un serveur de fournisseur d'informations (10). Les informations sont transmises entre la page d'informations payante et l'ordinateur client (18) a travers un serveur Web de relais (26) sans que l'identite de la page d'informations payante ne soit revelee a l'ordinateur du client (18) ni que l'identite de ce dernier ne soit revelee au serveur de fournisseur d'informations (10). Avant que la transaction soit menee a terme, l'ordinateur du client (18), le serveur de fournisseur d'informations (10) et le serveur Web de relais

(26) doivent s'enregistrer aupres d'un serveur de transactions (14) pour etablir des comptes representes par les donnees stockees dans une base de donnees (20) du serveur des transactions (14). Une transaction avec des fonds electroniques se fait par la modification de ces donnees. En variante, on peut commander un produit aupres d'un serveur de vendeur (10, 154) sans utiliser le serveur Web de relais (26).

Legal Status (Type, Date, Text)

Publication 20010222 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010510 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20020221 Late publication of international search report
Republication 20020221 A3 With international search report.

Fulltext Availability:

Claims

Claim

... said database (20);
1 5 (c) contacting (1 62) said product-describing page of said **vendor** server
1 6 (1 54) with said browser (1 9);
1 7 (d) transferring (164) said browser (19) to a menu page of said transaction **server** (14);
(e) deducting (174) a first amount from said **customer account** data;
(f) **adding** a first portion of said first amount to said **vendor** account data;
(g) adding (1 74) a second portion of said first amount to said...

1/9,K/1

DIALOG(R)File 349:PCT FULLTEXT

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00753791 **Image available**

INTERNET - BASED COMMERCE SYSTEM

SYSTEME DE COMMERCE VIA INTERNET

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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TOLLEFSON Kenneth D, 12125 Salix Court, San Diego, CA 92129, US, US
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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200067171 A1 20001109 (WO 0067171)

Application: WO 2000US11099 20000425 (PCT/WO US0011099)

Priority Application: US 99132337 19990503; US 2000477054 20000103

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Word Count: 11287

English Abstract

An internet-based commerce system (100) simultaneously usable by multiple purchasing organizations (112) and multiple vendors (114) while controlled by a virtual single server and database is disclosed. The commerce system handles the requisitions for goods and services by system users within an purchasing organization and directs requisitions to other users for approval within that purchasing organization using approval routes electronically established within the database. Requisitions are electronically processed into Requests for Quotation (RFQ), Requests for Information (RFI) or Requests for Bid (RFB) that are then released to the internet for electronic responses by users representing vendors who access the system. Vendors with profiles matching the requests are notified preferably through response-prompting e-mail. Using the system, buyer users for purchasing organizations process electronic responses into awards. The system then notifies the awardees and other vendors.

French Abstract

L'invention concerne un systeme de commerce via Internet (100) pouvant etre simultanement utilise par de multiples organisations d'achat (112) et de multiples vendeurs (114) et commande par un seul serveur virtuel et une base de donnees associee. Ce systeme de commerce gere les commandes de biens et services effectuees par les utilisateurs du systeme au sein d'une organisation d'achat et adresse ces commandes a d'autres utilisateurs au sein de cette organisation d'achat en vue d'une approbation via des methodes d'approbation electroniques etablies dans la base de donnees. Ces commandes sont traitees par voie electronique et transformees en demandes de prix (DP), en demandes d'informations (DI) ou

en demandes d'offres (DO) qui sont ensuite accessibles sur Internet afin que les utilisateurs représentant les vendeurs répondent par message électronique. Les vendeurs, dont les profils correspondent aux demandes, sont avertis de préférence par courrier électronique les invitant à répondre au courrier. Grâce à ce système, les utilisateurs acheteurs traitent les réponses électronique et en acceptent certaines. Le système notifie alors les vendeurs sélectionnés et les autres vendeurs.

Legal Status (Type, Date, Text)

Publication 20001109 A1 With international search report.
Publication 20001109 A1 With amended claims.
Examination 20010222 Request for preliminary examination prior to end of 19th month from priority date

Detailed Description

DESCRIPTION

Internet-Based Commerce System

This PCT application claims priority to U.S. Provisional Application Serial No.

60/132,337 filed May 3, 1999 having the title "Internet-Based Commerce System," and U.S. Application Serial No. 09/477,054 filed January 3, 2000 having the title "InternetBased Commerce System," both of which are fully incorporated herein by reference.

Backaround Of The Invention

The present invention relates to the field of electronic commerce. In particular, the present invention relates to a computer and Internet-based commerce system for handling the request, bidding, and procurement activities between agencies, organizations and businesses and an array of vendors for commodities, including goods and services.

In recent years, many Internet-based systems for processing requests for quotations for goods and/or services and then handling responses from compatible sellers have been disclosed and developed. For example, U.S. Patent No. 5,758,328 issued to Giovannoli and incorporated herein by reference, discloses a computer-based communications network in which buyers and suppliers that are registered in the system communicate requests for goods and/or services and responses to requests. Moreover, systems for routing and processing procurement information to different personnel within an organization are also known. U.S. Patent No. 5,361,199 issued to Shoquist et al., also incorporated herein by reference, describes system programming that receives data from a buyer and routes the document data to other personnel involved in a procurement processing scheme. However, even with the wide proliferation in recent years of computer and Internet-based commerce, a system that can fully service the procurement administration requirements of many organizations and vendors all at once has yet to be developed. Further, the prior art computer and Internet-based commerce systems that apply a commodity code catalog to standardize communication between system users cannot tailor the commodity catalog to the needs of individual users. A need therefore exists for procurement system that enables any individual within a large or small organization to purchase any goods and/or services available from vendors who access the system. A need further exists for a system that enables multiple agencies, businesses and organizations to electronically process their requests for goods and services, communicate these requests to interested vendors, accept electronic responses and bids from prospective vendors, and issue awards to vendors in a fully integrated and data-linked manner. A need also exists for a system that uses a commodity code or catalog to aid in the communication between and filtering of buying agencies and vendors, while enabling individual agencies to tailor the catalog to their own particular needs.

SurnrnM of the Invention

The present invention is directed to an Internet-based commerce system

simultaneously usable by multiple purchasing organizations and multiple vendors while controlled by a virtual single server and database. The commerce system is comprised of a firewall subsystem, a web server, a mail server, a database server, and central database. The commerce system handles the requisitions for commodities, including goods and services by system users and directs agency requisitions to other users for approval whether internal or external to that agency using approval routes previously established electronically within the central database. Requisitions are electronically processed into Requests for Quotation, Requests for Proposal, Requests for Information or Requests for Bid that are then released to the Internet for electronic responses by users representing vendors who access the system. Vendors with profiles matching the requests are actively notified of the requests preferably through response-prompting electronic mail. Using the system, users profiled by the system as buyers for the purchasing organizations process the electronic responses into awards. The system then notifies the awardees and makes available information about the awards to other vendors.

The system enables each purchasing organization to have its own unique electronic catalog of commodities to simplify and standardize the procurement process within the organization, while the system uses a basic catalog, preferably the NIGP commodities code, as a backbone for screening and communicating with vendors. Further, because the system operates with one virtual server and database, compilation and sharing of data that are stored on the system are possible. Vendor performance, user workload data can be compiled and shared within an agency or agencies using data search, compilation and representation software tools that known in the art. Similarly, users are preferably restricted, in accordance with user identifications used to access the commerce system, to a subset of data records in the database. The above and other objects, features and advantages will become apparent to those skilled in the art from the following description of the preferred embodiments.

Brief Description of The Drawings

FIG. 1 depicts a preferred embodiment of the basic hardware configuration for the Internet-based commerce system.

FIG. 2 depicts a preferred embodiment of the software module configuration for the Internet-based commerce system.

FIG. 3 depicts the basic routing within a procuring organization of an electronic requisition from the initial request to the release of the corresponding RFX (a pre-award document type) to the Internet.

FIG. 4 is a flowchart depicting a preferred software process for generating and communicating a Request Document record to a buyer.

FIG. 5 is a flowchart depicting a preferred software process for generating and releasing an RFX from a Request Document record.

FIG. 6 is a flowchart depicting two preferred software process methods of notifying vendors of released RFXs.

FIG. 7 is a flowchart depicting a preferred software process for enabling vendor responses to released RFXs and generating awards corresponding to the RFXs.

Detailed Description Of The Preferred Embodiments

FIG. 1 depicts a preferred embodiment of the basic hardware configuration for the Internet-based commerce system 100. The commerce system 100 preferably comprises several subsystems including a firewall 102, a web server 104, mail server 106, database server 108, and central database 110. Preferably, each subsystem is a computer such as a Silicon Graphics' Origin' 200, Intel' processor or other high-speed processing platform preferably having at least 500 megabytes of RAM and at least 25 Gigabytes

of hard disk memory. Preferably, however, each subsystem is configured to allow for the connection of additional computer hardware to distribute the processing, memory, and bandwidth load as needed. Functionally, the firewall 102 preferably polices the Internet communication with the commerce system 100. The system is preferably protected by a HTTPS 128-bit secure socket layer that essentially encrypts data that is transmitted over the Internet. Moreover, only users requesting system services over specified ports are handled by the commerce system 100. For example, HTML pages from users 112, 114 are served over a specific port address. Unless the port address for HTML pages is specified in the user's HTML communication, the user data is dumped by the firewall 102 preventing access to the rest of the commerce system 100. Similarly, File Transfer Protocol (FTP) communication is handled through another port. Again, the port must be specified in the FTP communication to enable access to the commerce system 100. Users from multiple agencies 112 and vendors 114 are handled by the commerce system 100 and share the central database I 10. Specifically, the commerce system I 00 will recognize a particular user, for example User 1, from a particular agency, for example Agency 1, or a particular vendor, for example Vendor 1. The number of users per agency, the number of users per vendor, the number of agencies and the number of vendors are all only limited by the system memory resources and the I/O bandwidth.

1 5 Communication internal to the commerce system 100 is preferably via Ethernet connection although another system communication protocol can be used. First, the firewall 102 is Ethernet-connected to the web server 104, which generally processes HTML pages into SQL instructions for the database server 108. The mail server 106 handles all e-mail communication and communicates with the database server 108 and web server 104 via an Ethernet connection. By having a mail server to handle much of the communication and data entry between users, I/O and computer processing bandwidth load is significantly reduced. Finally, the database server 108 handles all access to the central database II 0, including processing the SQL statements from the web server 104 and instructions from the mail server 106. Optionally, the commerce system I 00 additionally includes an Intranet server subsystem that features functions such as e-mail between users, calendars, chat rooms, message boards, task files, address books, and Intranet page publishing.

FIG. 2 depicts the preferred software modules and their configuration within the Internet commerce system I 00. Preferably, each module performs a separate function that writes to or reads from the central database I 1 0 as needed. The software system implementation includes an agency registration module 200, a vendor registration module 202, a login module 204, an agency system administrator module 206, an agency requisitioner module 208, an agency buyer module 2 1 0, an agency approver module 212, a vendor access module 214 and a batch module 216. First, the agency registration module 200 allows agencies to initially profile themselves to the commerce system 100, including identifying the system administrator for that agency. The agency registration module 200 further enables entry of general agency information including addresses and points of contact for the agency, billing, and revenue sharing. The vendor registration module 202 similarly allows vendor businesses to register themselves with the system and profile over the Internet the goods and services they supply. Optionally, the vendors can register to be on 24-hour call with respect to particular types of business opportunities. Further, the vendor registration module 202 preferably enables vendors to select specific agencies with which the vendors have a particular interest in doing business.

Also, when a previously registered vendor responds to a solicitation for a commodity that is not included in the profile record of commodities that the vendor supplies, then vendor registration module 202 preferably automatically adds the commodity to the vendor's profile. Alternatively, if the vendor is registered for a solicited commodity, but is not listed

as a supplier with the soliciting agency, then the then vendor registration module 202 preferably automatically adds the specific agency to the vendor's profile record for that commodity. Preferably, the vendor is automatically via e-mail notified of the update to the vendor's profile record.

The login module 204 controls user access to system applications according to user ID. The login module 204 determines the identity of a user as the user logs into the commerce system 100 and then enables the particular applications, such as for example, the agency system administrator 206 module, agency requisitioner module 208, or agency buyer module 212, that the user is authorized to access. Finally, the login function 204 accesses the database I 10 to identify the active records that indicate the user's ID in one or more of its fields and then provides a summary of that data to the user in an information window. In this way, the user views its current workload related to the processing of requests of goods or services.

The agency system administrator module 206 is an application module that enables a particular agency user, called an agency system administrator, to establish and control all parameters associated with a given agency. Specifically, the agency system administrator module 206 enables the agency system administrator to enter or modify agency information, establish accounting structures, and populate and manage detailed commodity groups particular to the agency using the NIGP code or another commodity catalog as a platform. The system administrator can also enter data regarding agency delivery points, local area business preferences, miscellaneous agency-wide default values and any general requirements or instructions for documents originating from the agency.

The agency system administrator module 206 further allows the agency system administrator to establish users within the agency and associate users with particular applications, functions, and abilities. Specifically, the system administrator can create agency departments including department administrators and users. The system administrator further establishes approval workflow maps for individual users. An approval workflow map for a user designates other users to whom work completed by the user is made available.

Preferably, the agency system administrator module 206 also allows the agency system administrator to execute report inquiries to the database I 10. Various types of 15 reports are thereby generated. The reports that may be generated preferably include requisition-to-purchasing cycle time reports, purchasing cycle time reports, history of award reports, and vendor listing reports that are variable according to variations in listing criteria.

The agency requisitioner, agency approver, agency buyer, and vendor access modules 208, 210, 212, 214 are applications made available to users by the commerce system 100 depending on the individual configurations established by the system administrator. The agency requisitioner module 208 enables the user to produce and transmit a request for the purchase of particular goods and services. The agency approver module 210 is a mechanism for approving electronic agency documents. The agency approver module 210 preferably provides for the option of having at least five levels of approvals before an electronic requisition is forwarded to a buyer. The agency buyer module 212 is an application generally made available only to buyers. The agency buyer module 212 enables users configured with buyer capabilities to convert electronic requisition documents into pre-award document types, called RFXs, for the goods the buyer is assigned to buy. These RFXs include Requests for Proposal (RFPs), Requests for Bid (RFBs), Requests for Information (RFIs) and Requests for Quotation (RFQs). The agency buyer module 212 further enables buyers to release RFXs to the Internet. Also, the vendor access module 214 enables users representing vendors to access

the commerce system 100 and view awards that have been made, business opportunities in the form of RFXs that have been released, and subsets thereof based on search criteria selected by the vendor. While vendors generally only use the vendor access module 214, vendors may optionally use the modules used by procurement organizations and thereby conduct business on the commerce system as both a buyer and a vendor. By enabling the combination of tools by a single business entity, the commerce system 100 enables vendor-to-vendor transactions. Preferably, the combination of tools is also used by nonprofit organizations (NPOs) to further enable NPO-to-business and NPO-to-agency transactions. Finally, preferably, vendors can request additions to the basic five-digit commodity code index used by the commerce system I 00.

With respect to vendors in the construction business, the vendor access module 214 enables vendors who are general contractors to download construction plans developed for a public agency, such as those stored in a city plan holder's room. Additionally, registered 1 5 vendors who are construction subcontractors receive an e-mail notification from the commerce system's mail server 106 for each general contractor that downloads an agency's construction plans. The commerce system I 00 thereby facilitates construction business communication between agency and general contractor and between general contractor and subcontractor.

The batch module 216 preferably executes at a particular time each night, processing the active records for all agencies that are registered on the commerce system 100. A change in a record's status based on the previous day's work typically will cause the batch module 216 to act on the record in some manner. For instance, the batch module 216 will change the status of RFX records that were previously released to the Internet but that are scheduled to be closed to bidding by the current date. Further, the batch module 216 initiates the e-mail to appropriate vendors of RFXs that are presently to be released to the Internet. A vendor who receives an e-mail of an RFX is filtered by the batch module 216 according to its registration status and the selected commodity codes and agencies in the vendor's profile.

FIG. 3 depicts an overview of one possible route for a request from the original requisitioner through the chain of users within an agency that must approve the request before its release to the Internet. The process begins with the creation of a Request Document record by a user within the agency or requisitioner 300, and then its transfer to a proper approver if an approval of the requisition is required as shown by the Require Approval branching step 302. The system's software processing of these first steps are detailed in FIG. 4. As shown in FIG. 4, a requisitioner first enters request document data on an HTML header page that has been provided to the user/requisitioner 400. The software enabling the entry of request document data is part of the agency requisitioner module 208. The request document header data for entry preferably includes a reference number for the request document and a confirming number to enable a rush of the request through the approval process including preferably, a direct e-mail to 1 0 appropriate approvers in the approval route and the provision for an emergency purchase order number. The header data may also include delivery date(s), delivery point(s), alternate delivery point(s), contact persons, and specific header notes. Preferably, if the requisitioner 300 specifies a non-standard delivery point, the system automatically detects the condition. Because the existence of a standard delivery point is preferably previously 1 5 specified in the setup for the procuring organization by the system administrator, a requisitioner's data entry of a non-standard delivery point results in an automatic notification e-mail to the procuring organization's system administrator. Finally, when the request document header page is completed, the header data is saved in a file in the central database 402.

In a preferred embodiment, the commerce system 100 provides each agency

the option using system-assigned reference numbers for documents or retaining an agency's indigenous numbering system. The commerce system 100 allows an agency to retain its own document numbering system by performing translations to and from the system's internal indexing scheme. For example, where an agency's designation for the first RFQ of the year 1999 may be "RFQ990001 " the system will in real-time translate such entered document designations into its own index, such as "Q1999000001." The system also necessarily provides for reverse translation of document designations such as when a user seeks to have displayed a set of document numbers that are result of a specific search.

Preferably, the system 100 supports separate translation routines for each agency that chooses to retain its own document numbering scheme.

The requisitioner 300 is then prompted to complete a second HTML page of line item data for the request 404 relating to the goods to be included in the request document record. In this step 404, the commerce system 100 allows for date entry of the specific goods to be requested. To select the goods, the requisitioner 300 accesses an electronic catalog of goods organized according to a three-digit class, two-digit item, two-digit group and a three-digit detail. The class and item values preferably correspond to the standard NIGP code of goods and services. The group and detail digits correspond to specific details regarding the goods that are commonly requested by that particular agency. Thus, each agency on the commerce system 100 internally possesses its own tailored catalog of specific goods and services that it commonly requisitions. However, because each tailored commodities catalog exists on a single database I IO, the commerce system I 00 preferably allows agencies to merge their tailored NIGP codes, enabling a greater level of standardization while maintaining the details in the communication between procuring agencies and vendors.

In practice, the generation and use of a tailored commodities catalog preferably involves all users within a procurement organization. For example, for a request of a box of yellow 8 V2" by IP bond paper for a requisitioner's department, the requisitioner 300 will first scan the basic five-digit NIGP code for paper. However, within this basic code, the commerce system 100 will have specified various kinds of paper (i.e. yellow 8 1/2" by 11" bond) that that the agency has requested in the past. For goods that are first requested, the agency, through the functionality of the agency system administrator module 206, will have specified group and detail indices concatenated to the basic NIGP code that correspond to this specific kind of paper. Over time, group and detail indices for various kinds of paper that have been requested will be specified, resulting in a highly tailored NIGP-based catalog that is unique for each agency on the commerce system 100. Thus, as the requisitioner 300 is specifying the goods to be requested, the requisitioner 300 first scans his agency's tailored commodities catalog to determine if the specific goods in question are already in the catalog. If so, the requisitioner 300 can select those goods for requisition and then proceed to enter other data. If the desired goods are not in the catalog, the requisitioner 300 preferably has the option of requesting an addition to the catalog.

Alternatively, the requisitioner can directly make additions to the agency's commodity catalog 406.

On the second HTML page of the request, the requisitioner 300 enters other line item data including the quantity of the goods. Optionally, the requisitioner 300 enters the units of measure for the goods, whether it is a fixed asset, any purpose restrictions, a file attachment, line item notes, and any allowable variance in quantity. Preferably, the request allows for the entry of a specific fund from which the payment for the cost of the commodity is drawn. The request alternatively preferably allows for the entry of multiple funds to enable cost sharing between

funds for particular commodities. Allocation between funds is preferably enabled according to percentage of cost, by dollar amount or by quantity. Funds are preferably specified by entry of fund-specifying information in data fields indicating the organization, the account, the task, the subtask, the option and/or the activity.

After the requisitioner 300 completes data entry or at any other time during the generation of the request, the requisitioner 300 preferably may edit or review the header page, the commodity description, or any other field. Once the data on the request pages has been entered, the requisitioner 300 preferably saves the line item data in the central database 110, 408. The combined header and line item data form a single request document record in the central database 110.

In the next step, the commerce system 100 scans the approval routing map that is unique to the requisitioner 300 that originates the request document record 410. The approval map, called an Agency User Workflow record, is previously generated by the system administrator and stored in the central database 110. The approval map defines the route of users that the request document record must take before a buyer for the procuring organization reviews the request document. The particular approval route for a request document record is preferably defined by the requisitioner's position within the organization, the commodity or commodities requested, the amount requested and the price. Any one or all of these variables can affect the approval route.

Preferably, the particular approval route is also defined by any alternate users that have been specified to act in place of one or more available approvers. More generally, the commerce system 100 allows alternate users to be specified when the usual user for a particular task is absent, unavailable, on vacation, etc. In such circumstances, the system enables establishing pseudo accounts to give an alternate user the rights it requires to perform as an alternate user. Moreover, if the usual user possesses multiple capabilities, for example, rights to initiate requisitions, act as a buyer, and act as a requisition approver, then the system 100 enables different alternate users to be specified for each of the rights.

Further, when the usual user returns or is again available, the system 100 preferably resets the rights, status and capabilities to the usual user.

From the Agency User Workflow profile defined in the commerce system 100 for the requisitioner 300 and the parameters values specified in the particular request document record, the commerce system 100 generates an Agency Solicitation Route record 412 that becomes part of the request document record. Thus, inherent in the requisition process of the commerce system 100 is effectively an electronic audit trail.

Preferably, every significant act by a user in the process of completing, approving, responding to or awarding a requisition is stored in the commerce system 100. Thus, the responsible parties involved in any procurement are readily determined. Next, if the requisitioner 300 desires to request additional goods as part of the same document request record, line item data for such additional goods may be entered 414 on subsequent line item HTML pages. When all goods have been entered into the document request record, the commerce system 100 saves the final document request record in the central database 110, 416. The record includes a Status field that holds a value corresponding to the status of the request. Once the data is saved, a Current Stop ID field in the Agency Solicitation Route designates the user in the agency that must approve the request. Normally, the approver is made aware of the request by actively performing a database scan of requests within the agency that require that approver's approval. The database server scans the Current Stop ID in all of the agency's requests and lists those requests for the

approver 418.

The approver can similarly be made aware that a new document request record has been created that requires his approval when the approver first logs into the commerce system 100 with his user ID. As mentioned above, the login module summarizes a user's workload as the user logs into the commerce system 100. The data in the information window provided to the user upon login preferably includes the following numerical summary regarding request documents involving the user.

- # of request documents in the approval-processing phase
- # of request documents requisitions
- # of request documents awaiting an action by a buyer
- # of request documents viewable on the Internet
- # of request documents awaiting an award from a buyer
- of request documents placed on hold by a buyer
- of request documents being worked on by a buyer
- of request documents in a buyer's approval flow
- of request documents in which an award was made but further approval is required before a purchase order is issued
- # of request documents that were disapproved by a buyer's approver
- # of request documents awarded

As the data in the information window changes, the user is informed of the progress of examine the particular records requiring his attention.

Referring again to FIG. 3, the transmission of a requisition to a proper approver 304 effectively takes place with the modification by the system of the Current Stop ID field in the request document record as each approval is made. Depending on the approval chain or Agency User Workflow for the request document record, the request document record for a request may have one or more changes to its Current Stop ID field as approvals to the request are authorized. When a proper approver reviews the data in the request document record, the approver must decide whether to approve or disapprove the request 306. As each approval is authorized, the Current Stop ID field is modified to have the user ID of the next approver. If all approvals in the request approval route are given, the system will modify the Current Stop ID field in the request document record to that of a buyer in the requisitioner's solicitation route and corresponding to the goods and/or services specified in the request.

If the request document is disapproved, the Current Stop ID field is modified to the user ID of the original requisitioner 300. Notes or comments from the approver who disapproved the request document may also be saved as part of the request document record for review by the original requisitioner 300. Thus, when the original requisitioner 300 instructs the system to scan for request document records (that is, the Current Stop ID fields of those records) with his user ID, the requisitioner 300 will see the disapproved request document records with the comments from the approver in his approval route that disapproved the request. In the approval route shown in FIG. 3, only one approval is required before the request is made available to the appropriate buyer 308 specified in the solicitation route for the request. If no approval is required for a request document record generated by a requisitioner 300, the request document record proceeds directly to the appropriate buyer 308.

Like any other user, the appropriate buyer 308 for the request document record is made aware of the request document record when the buyer 308 actively instructs the system to scan the database 110 for approved request document records having that buyer's user ID in the Current Stop ID field and/or through the workload summary process performed by the login module 204. The approval process from the time that the approved request document record reaches the buyer 308 until the request document record is released to the Internet is similar to the method of processing the original request I O document record into an approved request

document record that is viewed by a buyer.

FIG. 5 details the steps in converting an approved request document record into an RFQ, RFI, RFB, or RFP record that is released into the Internet. First, as noted above, the buyer 308 is notified of or may actively scan for approved request document records having his user ID. Preferably, multiple methods of workload distribution are provided by 1 5 the system to enable the designation of document records to various buyers. The system preferably may automatically select buyers based on the NIGP code of the commodities requisitioned. Further, the system may enable a pool of document records to be established from which buyers select items to process. As another alternative, the document records are initially assigned to a supervising buyer who then assigns items to other subordinate buyers. In each of these methods, the Current Stop ID is simply changes to reflect the current disposition of the document record.

Approved request document records are distinguished from request document records awaiting approval by a separate field in the request document record called a Status field. The commerce system I 00 scans for Status fields with a value corresponding to an approved request document record and having a Current Stop ID with a particular buyer's user ID. The system then provides the buyer 308 with the details of the approved request document record to the buyer 308 on the buyer's terminal. At this time, the header and line item data entered by the original requisitioner 300 are viewable by the buyer 308, 500. Furthermore, the buyer 308 can view, edit and/or add to the fields of the approved requisition record, such as confirming or changing the delivery point for one or more of the line items of goods included in the requisition 502.

When the buyer 308 has completed his modifications to the approved request document record, the buyer 308 then chooses whether to approve for RFX 310 the approved request document record and thereby create an RFX, or to disapprove the requisition 504, returning the requisition to the original requisitioner 300, 510. As shown in FIGS. 3 and 5, if the request document record is disapproved buy the buyer 308, the request document record is routed back to the original requisitioner 300, 5 1 0. The Current Stop ID field is changed to the user ID of the original requisitioner 300, and the Status field preferably becomes that of a request document disapproved by a buyer 308, 506.

Optionally, the buyer 308 may enter notes on the reasons for disapproval 508. The system I 0 saves these notes as a separate data file that is linked to the request document record by the document reference number for that record. While the original requisitioner 300 may actively scan the system for buyer-disapproved request document records, preferably the system automatically e-mails the requisitioner 300 of the disapproval.

If the buyer 3 0 8 approves the request document, the commerce system I 00 changes the Status field for the request document record into that of an RFX in progress 512. The system then sends an electronic page for the entry of RFX data to be stored in the same record 514. On this page, the buyer 308 can confirm or add a reference number for the RFX, select the response type (RFP, RFB, RFI, or RFQ) for all or selected line items, select the closing date for the receipt of vendor responses, and select or confirm the delivery date for each line item. Optionally, the buyer can edit or enter the freight pay type, confirm the delivery point, modify the source of funds for payment, add new instructions for the vendors regarding the request, or add record header notes. Additional instructions and header notes are preferably saved as a separate file, and are preferably linked to the new RFX document record by the document reference number, the requisition number, and detail and item numbers. The RFX page preferably is then saved as part of the original request document record that was created with the original requisitioner 300.

At this stage, the Status field is again modified depending on the action

selected by the buyer 516. Optionally, the RFX can be approved for RFX 310 by the buyer 308. In this case, the Status field is changed from an RFX in progress to a value representing a buyer-released RFX 518. As shown in FIG. 3, a release of the RFX by a buyer 308 may or may not indicate that the RFX is released to the Internet. If the buyer's decision requires the RFX approval 312 of an RFX approver 314, the status of the RFX may simply be changed to that of an RFX in Approval and correspondingly, the Current Stop ID will be changed to the appropriate RFX approver 314, 520 in that buyer's previously established approval map. If the buyer's decisions require no further approval, the Status field for the RFX is changed to that of an Internet-released RFX 316, 522. The RFX approver then preferably has the same choice of options 318 as the buyer 308, that is, releasing, holding or disapproving of the RFX. In each case, the Status field is changed accordingly. In FIG.

3, only one RFX approver 314 is necessary before the RFX is released to the Internet 316, 524. On the other hand, an RFX could require additional RFX approvers 314, if an agency's system administrator chooses to so configure the buyer's approval map in that manner. However, once the last RFX approver in the approval route for an RFX releases the RFX, the system changes the Status field for the RFX to that of a Released RFX. A Released RFX represents a Status field that vendors on the Internet can view.

The buyer 308, alternatively, also has the option of placing the RFX on hold 526, a situation that would be acted upon by the system by changing the Status field value for the RFX record. One advantage of enabling the buyer 308 to place an RFX record on hold is that it provides the foundation for enabling the buyer 308 to merge different RFX records that may include the same goods or category of goods. By placing an RFX on hold, a table is preferably generated of such held RFXs and is preferably organized according to the NIGP code(s) and/or the release date specified in the RFX. Preferably, if the buyer desires to merge an RFX with others making similar requests, the system generates a new RFX record that encompasses the items in the held RFX records that have been merged together. The new merged RFX, having fields that reference the RFXs that it comprises, is then later released by the buyer 308 to the Internet. By having this capability, discounts for larger volumes of goods may become available that might not otherwise be available if RFXs were individually released. Preferably, because multiple procuring agencies are using the same central database 110, RFXs from different procuring organizations can pool RFXs with similar requests and potentially obtain greater discounts than could be obtained otherwise if the agencies conducted their procurement of goods and services independently.

FIG. 6 depicts two alternative methods by which vendors using the commerce system are notified of RFXs that agencies have released. By a first method, a vendor first logs into the commerce system 600. As released RFXs that have not been closed to bidding have a particular Status field value, such RFXs are viewable by vendors who wish to examine the database. Optionally, vendors can perform specific searches within the set of RFXs by filtering the set according to particular agencies, commodities, etc. 602. By applying various kinds of filtering to the set of viewable RFXs, vendors can view a subset of RFXs 604 that pertain to the vendors' particular interests.

According to another method of enabling vendors to become notified of relevant RFXs, the commerce system 100 automatically performs vendor notification preferably using a daily batch process performed by the batch module 216 discussed above. In this 100 method, the commerce system 100 scans the database 110 for just Released RFXs 606, that is, document records corresponding to a particular Status field value. The system also scans for vendors that have registered themselves in the database 110 with a particular profile of agencies for which those vendors have a business interest and commodities, preferably based on the

five-digit NIGP code (but without the additional five-digit 1 5 tailoring developed by the procuring agencies) 608. The system then filters the set of vendors according to their profiles and the basic NIGP code specified in the RFXs to determine the subset of vendors that will receive a notification regarding a particular RFX 610. The buyers for the procuring agencies cannot exclude or include particular vendors from receiving the notification. Thus, each just-released RFX has its subset of vendors that receive a notification. The commerce system 1 00 then sends an HTML-rich e-mail to the determined subset of vendors 612, enabling a prompt and data-specific response from the vendors.

. Preferably, the system 100 allows buyers to amend the RFXs after their release to the Internet. To effectively amend an RFX, the system 100 automatically transmits e-mail to all vendors that received the original RFX. Preferably, registered vendors receive the amendment, which includes the updated and complete RFX and a section indicating the reasons for the amendment including the changes from the original RFX. With respect to non-registered vendors, the system 100 identifies and records in a download tracking file those vendors that previously accessed the original RFX. Preferably, these non-registered vendors are notified by e-mail that an amendment has been made. More generally, agency buyers may access, for status and other reasons, the data in the download-tracking file on vendors (registered and non-registered) that have downloaded released RFXs.

The system also provides buyers with the ability to communicate with vendors directly according to desired groupings. Buyers may e-mail vendors according to a particular solicitation that selected vendors received, by registered commodity, by type of vendor, by vendor in a particular city, state or zip code, and/or any other criteria that distinguishes vendors from each other. Alternatively, the system allows buyer and others to create and define customized groupings of vendors and others. Such groupings may be established for purposes of solicitation, communication, comparative analysis, etc.

FIG. 7 depicts the process by which vendors respond to a notification of an RFX according to the batch processing 216 discussed above and by which an award is issued by 1 0 the procuring organization. First, with the receipt of the e-mail notification, the vendor completes a response data page 700. Preferably, this page prompts the vendor to enter a price for the goods or services requested and any comment that the vendor desires to include regarding any desired transaction terms. Once the response page is completed, the vendor can submit the data as its bid. Moreover, each time that the vendor logs into the 5 system, the system scans the vendor's RFX response file and enables the vendor to modify or remove any bids it has submitted. The commerce system transmits the data to the central database 702. By requiring responses in this manner, the commerce system 1 00 implements a blind bidding system that vendors normally must adhere to in dealing with public agencies. The vendor response data is then stored in an RFX Response Detail record, which collects all of the vendor responses 704. This new record is linked with the original REX record by the original RFX record reference number. This record will continue to store vendor responses until the bidding closing date specified in the original RFX record. This function is performed as part of the batch process 216. The batch process 216 scans the bid closing dates for all of the commerce system's released RFXs, and then changes the Status field value for such released RFXs when the time for bidding becomes closed 706. By changing the Status field value, a released RFX record becomes a Closed RFX Awaiting Award. Optionally, the buyer for the RFX can scan the database for RFX record Status fields with values corresponding to a closed RFX 708. Software tools associated with the Agency Buyer module 212 enable the buyer to have the commerce system scan and list, on a line item basis, the RFXs that await award. The buyer can then select an RFX to examine. The buyer can then scan the finalized RFX Response Detail Record corresponding to a particular RFX record. The buyer has the option of viewing the vendor responses, including vendor

line item instructions and comments, scanning the database for the award history corresponding to a particular vendor that responded, and sending a personalized e-mail to a vendor contact. The buyer preferably can list the vendors according to different aspects of their responses including the price quoted per unit of measure for the goods.

After the buyer reviews the vendor responses and optionally, any data on the vendors compiled in the database I 10 that the buyer chooses to examine, the system enables the buyer to electronically select an awardee from the vendors listed in the RFX Response Detail Record 710. The award can be limited to a particular line item of goods I 0 or simply a portion of the total quantity for an item on the RFX. When the buyer selects an awardee, the commerce system 100 creates a Purchase Order (P.O.) Detail Record that is linked by reference number to the original RFX record 712. With the creation of this record, the commerce system 100 sends the buyer an award data entry page, the entered data to be stored in this new record. Preferably, the buyer can enter various kinds of 1 5 information regarding the award including whether the item to be procured is taxable or not, and if it is taxable, the buyer may specify the appropriate tax rate. The buyer preferably can also attach a file and may add comments that are internal to the agency. For example, if the buyer selected a vendor that did not have the lowest bid, the system preferably requires a statement regarding the buyer's decision that is stored in the system.

In this way, the commerce system polices against favoritism by individuals within a procuring organization for certain vendors.

The commerce system 100 also enables the buyer to add new instructions regarding the line item of goods or all the goods. If the award for a particular vendor does not cover all of the goods in the RFX, then the commerce system enables the buyer to split the award between different vendors based on quantity or item 716. Under those circumstances, additional P.O. Detail records are created by the system for each vendor 718. A P.O. Detail record is created for each new vendor that is awarded a portion of the set of goods listed in the RFX.

Once a P.O. Detail record is completed for a vendor the system preferably enables a buyer to undo the award 720 or save the award. Although the buyer can return to create additional awards for additional vendors based on the same RFX, once the data entry for a first awardee is completed, the system creates a P.O. Header record 722. This header record concerns data that is general to the award to a particular vendor. Thus, the system sends the buyer an additional page for award data entry in the P.O. Header Record, if necessary 724. The data that the buyer enters preferably includes a lag time for the release of the award and/or purchase order, an award type, such as for example, whether the delivery is definite or indefinite, and comments regarding the basis of the award. The buyer can preferably enter the type of competition, that is, whether it was open, limited or sole source, notes on why a non-low bid was awarded, general P.O. comments, other notes for internal personnel, and who will be the signatory/ for the purchase order. The buyer may also optionally attach a file to the P.O. Header Record. Also, at any time, the buyer I 0 can save the data and return later to the record or cancel the data entries entirely.

Once the P.O. Header record is completed for an RFX, the system preferably enables the buyer to complete the total award 726 or undo the award 728. If the buyer chooses to complete the award, the commerce system preferably saves the data in a new record called an Award record 730. Optionally, the system may provide for a purchase 5 order approval route 729 similar to the approval route required for a request document or an RFX as shown in FIG. 3. However, once the award is completed, the original RFX record is preferably no longer viewable by the vendors on the system, as the processing by the commerce system of the original RFX becomes complete. The Award record holds all of the P.O. Header records pertaining to the original RFX. Furthermore, the commerce system 100

modifies the Status field in each of the P.O. Header records from an award in progress to a completed award 732. By doing so, access by vendors to the terms of the completed award is enabled. By so changing the Status field, the completed award is effectively posted in the Internet for viewing by all vendors on the commerce system I 00.

Finally, the commerce system preferably e-mails the P.O.s to the awardees and e-mails interested vendors about the award, including the identity of the awardees and the accepted price 734. The commerce system I 00 preferably provides the capability for a hard copy of the purchase order to be printed and delivered to the awardees, if necessary. Once the procuring agency receives the goods from the vendors, the commerce system 100 provides the capability of entering data in the P.O. Header record regarding vendor performance in its delivery of the goods, the quality of the goods or services, etc.

Over time, historical data on vendor performance in dealing with a particular procuring agency is generated. This data can be compiled and used as a decision tool when new awards are considered. Under certain circumstances, vendor performance data across multiple procuring agencies can be compiled and shared by procuring agencies. The advantage of such sharing of data is that perhaps a clearer picture of a vendor's overall performance is produced.

Although the invention has been described with reference to preferred embodiments, it will be readily appreciated by those of ordinary skill in the art that many modifications and adaptations of the invention are possible without departure from the spirit and scope of the invention.

Claim

1 A system for generating a request for a commodity for processing by a buyer, the system comprising:

- (a) a requester terminal for inputting request data relating to the request;
- (b) a memory for storing an approval route map comprising data fields specifying potential buyers for processing the request;
- (c) a processor for accessing the request data and the approval route map and for identifying therefrom the buyer to process the request;
- (d) a buyer terminal for receiving the request data; and
- I 0 (e) a communication link providing communication between the processor, the requester terminal and the buyer terminal.

2 The system of claim 1, the approval route map being specific to the requester. 3 . The system of claim 1, the request data including a commodity type for the 1 5 commodity requested, and the processor using the commodity type to at least in part identify the buyer processing the request.

4 The system of claim 1, the request data including a quantity value for the commodity requested, and the processor using the quantity value to identify the buyer processing the request.

5 The system of claim 1, the request data including a price for the commodity requested, and the processor using the price to identify the buyer processing the request.

6 A method of requesting a commodity through a buyer comprising the steps of. (a) inputting request data relating to a request regarding the commodity; (b) electronically determining the identity of the buyer using the request data and an approval route map; and (c) electronically notifying the buyer about the request.

7 The method of claim 6 further comprising a step between step (c) and

(d) of (c 1) notifying an approver of the request according to an approval route map in the server; and
(c2) notifying a requester of a decision on the request when the approver acts on the request.

8 The method of claim 6, the request data comprising header information and information relating to the commodity.

9 The method of claim 6, the request data, including a commodity type for the commodity requested, and the identity of the buyer processing the request being determined in part by using the commodity type.

10 The method of claim 6, the request data including a quantity value for a commodity requested, and the identity of the buyer processing the request being determined in part by using the quantity value. 1 5 11. The method of claim 6, the request data including a price for the commodity requested, and the identity of the buyer processing the request being determined in part by using the price.

12 A system for processing requests for a commodity into an RFX for viewing by one or more vendors, the system comprising:
(a) a memory for storing a request as request data in procurement data fields; (b) a processor for modifying the request data in a procurement status field of the procurement data fields to reflect a status of the request;
(c) a buyer terminal for inputting RFX data regarding the RFX in RFX fields of the procurement data fields;
(d) a vendor terminal representing at least one vendor for outputting the RFX data; and
(e) a network electronically linking the processor, the buyer terminal, and the at least one vendor terminal for releasing the RFX data to the at least one vendor terminal.

13 The system of claim 12, the processor modifying the request data in a current handler field of the procurement data fields according to an approval route map in the memory to reflect an approval status of the RFX.

14 The system of claim 12, the processor providing notification if the commodity specified in the request is in a class shared by a commodity specified in other requests that await being released to the network.

15 The system of claim 14, the processor providing notification if the request specifies a quantity of the commodity that, in sum with quantities specified in the other requests, exceeds a predetermined threshold quantity level. 1 0 16. The system of claim 12, the processor providing notification if the request specifies a quantity of the commodity that exceeds a predetermined threshold quantity level when the quantity is summed with quantities specified in other requests that further specify a commodity in a class shared by the commodity specified in the request and that await being released to the network. 1 5 17. A method of processing requests for a commodity into an RFX for viewing by one or more vendors, the method comprising the steps of
(a) providing a request as request data in procurement data fields of a processor-accessible memory;
(b) automatically modifying the request data in a procurement status field of the procurement data fields to reflect approval of the request;
(c) inputting RFX data regarding the RFX in RFX fields of the procurement data fields;
(d) releasing the RFX data to an electronic network accessible to the one or

more vendors; and

(e) modifying the procurement status field to reflect the release of the RFX data to the network.

18 The method of claim 17 further comprising steps between steps (c) and (d)

o f:

(c 1) automatically notifying an approver concerning the RFX according to an

approval route map; and

(c2) automatically notifying a buyer concerning a decision on the RFX when the approver acts on the RFX.

19 The method of claim 17 further comprising a step of automatically providing notification if the commodity specified in the request is in a class shared by commodities specified in other requests that await being released to the network.

20 The method of claim 19 further comprising a step of automatically providing notification if the request specifies a quantity that, in sum with quantities specified in the other requests, exceeds a predetermined threshold quantity level.

21 The method of claim 17 further comprising a step of automatically providing notification if the request specifies a quantity of the commodity that exceeds a predetermined threshold quantity level when the quantity is summed with quantities specified in other requests that further specify commodities in a class shared by the commodity specified in the request and that await being released to the network.

22 The method of claim 17 further comprising a step of notifying a requestor of a decision on the request if a buyer acts on the request.

23 A system for enabling the generation of a procurement award from a released RFX to a vendor of commodities to receive the procurement award, the system comprising:

(a) at least one vendor terminal for submitting bids on the released RFX;

(b) a buyer terminal for collecting bids to the released RFX from at least one potential vendor, selecting the vendor to receive the procurement award from among the at

least one potential vendor, and entering purchase order data;

(c) a processor for modifying RFX data in an RFX status field of an RFX data record to reflect when bidding on the RFX is closed and when the procurement award is issued; and

(d) a memory for storing purchase order data in a purchase order record linked to the RFX data record.

24 The system of claim 23, the processor requiring an input of a comment regarding the award when the vendor to receive the procurement award does not have a bid that is lowest of the collected bids.

25 The system of claim 23, the processor notifying the at least one potential vendor of the issuance of the award, including the identity of the vendor to receive the procurement award and the purchase order data.

26 A method of enabling the generation of a procurement award from a I 0 released RFX to a vendor of a commodity to receive the procurement award, the method comprising the steps of

(a) electronically collecting bids to the released RFX from at least one potential vendor;

(b) modifying RFX 'data in an RFX status field of an RFX data record at a 1 5 vendor bid closing time for the RFX to reflect that the RFX is closed; (c) electronically selecting the vendor from among the at least one potential

vendor to receive the procurement award;

(d) entering purchase order data into a purchase order record linked to the RFX data record; and
(e) modifying the RFX status field to reflect issuance of the award to the vendor.

27 The method of claim 26 further comprising the step of automatically requiring an input of a comment regarding the award when the vendor to receive the procurement award does not have a bid that is lowest of the collected bids.

28 The method of claim 26 further comprising the step of automatically notifying the at least one potential vendor of the issuance of the award, including the identity of the vendor to receive the procurement award and the purchase order data.

29 A system for generating a request of a buyer, the system comprising:
(a) a requester terminal for inputting request data relating to the request;
(b) a memory for storing an approval route map comprising data fields specifying potential buyers for processing the request;
(c) a processor for accessing the request data and the approval route map from the memory and for identifying therefrom the buyer to process the request;
(d) a buyer terminal for receiving the request data; and
(e) a communication link providing communication between the processor, the requester terminal and the buyer terminal. 10 30. A method of requesting a commodity through a buyer comprising the steps of (a) inputting request data relating to a request regarding the commodity; (b) electronically identifying the buyer using the request data and an approval route map; and

15 (c) electronically notifying the buyer of the request.

31 A system for sending requests for a commodity to one or more vendors, the system comprising:

(a) a memory for storing a request as request data;
(b) a processor for modifying the request data to reflect a status of the request;
(c) a buyer terminal for inputting RFX data regarding the request;
(d) a vendor terminal for outputting the RFX data; and
(e) a network electronically linking the processor, the buyer terminal, and the vendor terminal for sending the RFX data to the vendor terminal.

32 A method of sending requests for a commodity to one or more vendors, the method comprising the steps of

(a) providing a request as request data;
(b) modifying the request data to reflect approval of the request;
(c) adding RFX data to the request data regarding the request;
(d) sending the RFX data to the one or more vendors; and
(e) modifying the request data to reflect transmission of the RFX data to the one or more vendors.

33 A system for generating a procurement award to a vendor, the system comprising:

(a) a vendor terminal for submitting bids on an RFX;
(b) a buyer terminal for collecting bids on the RFX, selecting the vendor to receive the procurement award, and entering purchase order data;
(c) a processor for modifying RFX data to reflect when bidding on the RFX is closed and when the procurement award is issued; and
(d) a memory for storing purchase order data linked to the RFX data.

34 A method for generating a procurement award to a vendor, the method

comprising the steps of-

- (a) electronically collecting bids to an RFX;
- (b) modifying RFX data at a vendor bid closing time for the RFX to reflect that the RFX is closed;
- (c) electronically selecting the vendor to receive the procurement award;
- (d) entering purchase order data linked to the RFX data; and
- (e) modifying the RFX data to reflect issuance of the award to the vendor.

AMENDED CLAIMS

[received by the International Bureau on 27 Septembre 2000 (27 00);
new claims 35 to 37 added; remaining claims unchanged (1 page)]

35 The method of claim 8 wherein the information relating to the commodity is derived from a tailored commodities catalog specific to an agency and existing oil a

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single database shared by a plurality of agencies.

36 The system of claim 12, the processor filtering a set of at least one vendor according to a vendor profile and the commodity specified, whereby the buyer is precluded from choosing the at least one vendor.

37 The method of claim 17 wherein the step of releasing the RFX data to an electronic network accessible to the one or more vendors precludes the buyer from choosing the one or more vendors.

AMENDED SHEET (ARTICLE 19)

HARDWARE CONFIGURATION I.C. = INTERNET C(

112 112 E.C. = ETHERNET C

AG AG N Y

USER 2 USER I

N A N

USER 2

I.C. C. 1,c

VEND I.C. 1 -C. VEN

USER 1 FIREWALL

102 104

WEB

114 1 C 114

C.

VEND 2 I MAIL DATABASE V N

SERVER SERVER

USER 1 E.C. USER 2

/u CENTRAL

100 INTERNETDATABASE--I

COMMERCE SYSTEM

- - - - -

FIG* I

SOFTWARE MODULE CONFIGURATION

VENDOR BATCH

ACCESS PROCESSING

204

VENDOR LOGIN

202---" " REGISTRAT`ION

110 200

CENTRAL

DATABASE

AGENCY AG N

210@@ APPROVER REGISTRATION

206

AG N 212 AGENCY

REQUISITIO SYSTEM

FIG 2 ADMINISTRATOR

AGENCY

208 BUYER

J02 NO

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 YE@@ TO PROPER A JOB
 APPROVER
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 REQUIRES No APPROPRIATE
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 ACCORDING TO AGENCY-DEFINED METHODOLOGIES
 /7
 REQUEST PROCESSING
 412
 ENTER REQUEST CREATE AGENCY
 400@@ DATA ON HTML SOLICITATION ROUTE
 HEADER PAGE FOR REQUEST BASED
 PROVIDED TO ON USER'S
 REQUISITIONER WORKFLOW PROFILE
 414
 SAVE HEADER REQUISITIONER ENTERS
 402,1' DATA IN FILE ADDITIONAL LINE
 IN CENTRAL 416 ITEMS AS NECESSARY
 DATABASE 1
 406 404 UPON COMPLETION OF LINE'
 I-) REQUISITIONER ADDS ITEM DATA ENTRY
 ION: ALTER LINE ITEM DATA DOCUMENT RECORD IS
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 OF REQUEST A VALUE CORRESPONDING T
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 DATABASE READ TO DETERMINE THE CURRENT
 STOP ID. APPROVER CAN ALSO
 ACTIVELY SCAN THE DATABASE FOR
 CURRENT STOP IDs
 SYSTEM READS APPROVAL HOLDING HIS USER ID
 MAP (AGENCY USER
 4 10,@@ WORKFLOW) FILE
 IN CENTRAL DATABASE 418
 CORRESPONDING TO
 THE REQUISITIONER Flgo 4
 BUYER SCANS REQUEST 500 BUYER CREATE RFX
 RECORD. DISPLAYS ON USER
 TERMINAL BUYER CAN VIEW
 HEADER AND ITEMS BUYER
 502
 BUYER CAN EDIT AND/OR FIG# 5 518
 ADD TO FIELDS OF REQUEST REL
 RECORD LIKE CONFIRM
 -DELIVERY POINT 506 508
 504
 BUYER APPROVES NO STATUS FIELD IS OPTION: BUYER ENTERS CURRENT S
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 CHANGED TO E-MAILED OF DISAPPROVAL THE RFX, CH)

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 512
 BUYER IS SENT A PAGE TO
 ENABLE RFQ DATA ENTRIES RELEAS
 THAT ARE STORED
 ,514 TO INT(
 IN THE SAME RECORD
 /7
 VENDOR NOTIFICATION
 RELEASED RFXs
 METHOD1:MANUALSCAN METHOD 2: BATCH PROCESS
 600,@ VENDOR LOGS INTO SYSTEM SCANS FOR @@606
 THE COMMERCE SYSTEM RELEASED RFXs
 OPTIONALLY SELECT SYSTEM SCANS REGISTERED
 602 AGENCIES, COMMODITIES VENDORS - THEIR -@,,608
 COMMODITY & AGENCY PROFILE
 -@T
 6o4 SYSTEM SHOWS LIST
 OF RFXs I MPARE VENDOR PROFILE 61o
 I WITH-RFX, NIGP CODE
 I
 I
 I
 FIG* 6 SYSTEM SENDS AN HTML
 RICH E-MAIL TO VENDORS 612
 VENDOR RESPONSE AND
 AWARD PROCESSING N
 712 UNDO A
 OMPLETE A 700
 VENDORS C k/
 RESPONSE DATA PAGE WHEN AWARDEE IS SELECTED, 729'-'/@
 SYSTEM CREATES A PURCHASE
 ORDER DETAIL RECORD [WINK D
 @DATA IS SENT TO D2@@@ 702 TO THE ORIGFNA-L RFX A 714
 RFX IS NOT
 DISPLAYED TO USERS
 DATA IS STORED IN NEW RECORD: RFX RESPONSE DETAIL [SYSTEM ENABLES BUYER
 ENTRY (RFX RESPONSE DETAIL RECORD RECORD HAS RFX OF AWARD DATA IN THE
 HERW`TER 7J2
 WHICH COLLECIS ALL - RECORD REFERENCE P.O. DETAIL RECORD
 VENDOR RESPONSES F@@ @ 704 718
 I SPLIT THE AWARD (BASED ON y CR ITIONk P.O.
 BATCH: SYSTEM CHECKS BID CLOSING 706 QUANTITY OR ITEM) DENIL RECORDS FOR
 DATES FOR ALL RELEASED RFXs AND BETWEEN VENDORS? EACH ODOR
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 FOR WHICH THE BIDDING BECOMES N 716
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 Y
 SYSTEM OPTION ENABLES BUYER 708 SYSTEM CREATES A PURCHASE 722 720
 TO SCAN MD VIEW DATABASE ORDER HEADER EciORD L
 FOR CLOSED RFXs
 SYSTEM ENABLES BUYER TO SYSTEM ENABLES DATA ENTRY 724 7J4
 710 IN I THE P.O.HEAD.ER
 SELECT AN AWARDEE FROM REC
 RFX RESPONSE DETAIL RECQRRD
 INTERNATIONAL SEARCH REPORT International application No.
 PCT/USOO/11099
 A: CLASSIFICATION OF SUBJECT MATTER
 IPC(7) :G06F, 17/60
 US CL :705/26, 27
 According to International Patent Classification (IPC) or to both
 national classification and IPC
 B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 705/26, 27

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WEST, Dialog, IBM Technical Database, EPO, JPIO

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.

X US 513199542 A (KING JR. ET AL) 07 JUNE 1994, Abstract, 1-34 lines 1-2, 10-17, Fig. 1, Fig. 2, Fig. 3 (300-316), Fig. 4 (408, 406, 410, 412, 100 and 104), col 5, lines 37-68, col 6, lines lines 1

Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: 'T' later document published after the international filing date or Priority date and not in conflict with the application but cited to understand W document defining the general state of the art which is not considered the principle or theory underlying the invention to be of particular relevance

.E. earlier document published on or after the international filing date

X. document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step

-L' document which may throw doubts on priority claim(s) or which is when the document is taken alone cited to establish the publication date of another citation or other Y. special reason (as specified) document of particular relevance@ the claimed invention cannot be

considered to involve an inventive step when the document is document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such combination means being obvious to a person skilled in the art

.P. document published prior to the international filing date but later than document member of the same patent family the priority date claimed

Date of the actual completion of the international search Date of mailing of the international search report

30 JUNE 2000 \$8JULZ000

Name and mailing address of the ISA/US Authorized officer

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Form PCT/ISA/210 (second sheet) (July 1998)

INTERNET - BASED COMMERCE SYSTEM